



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

To: Interested Parties

Date: May 29, 2014

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

Source Name: Tanco Terminals, Inc.

Permit Level: FESOP – Renewal

Permit Number: 127-33126-00046

Source Location: 400 East Boundary Road, Portage, Indiana

Type of Action Taken: Permit Renewal  
Revisions to permit requirements

### **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 matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>  
To view the document, select Search option 3, then enter permit 33126.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201  
100 North Senate Avenue, MC 50-07  
Indianapolis, IN 46204  
Phone: 1-800-451-6027 (ext. 4-0965)  
Fax (317) 232-8659

Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

*(continues on next page)*

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, 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.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

Michael R. Pence  
Governor

Thomas W. Easterly  
Commissioner

## Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY


**Tanco Terminals, Inc.  
400 East Boundary Road  
Portage, Indiana 46368**

(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. 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 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

Operation Permit No.: F127-33126-00046	
Issued by:  Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 29, 2014 Expiration Date: May 29, 2024



A State that Works

## TABLE OF CONTENTS

<b>SECTION A</b>	<b>SOURCE SUMMARY .....</b>	<b>4</b>
A.1	General Information [326 IAC 2-8-3(b)] .....	4
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)] .....	4
A.3	Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)] .....	4
A.4	FESOP Applicability [326 IAC 2-8-2] .....	5
<b>SECTION B</b>	<b>GENERAL CONDITIONS .....</b>	<b>6</b>
B.1	Definitions [326 IAC 2-8-1] .....	6
B.2	Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)] .....	6
B.3	Term of Conditions [326 IAC 2-1.1-9.5] .....	6
B.4	Enforceability [326 IAC 2-8-6] [IC 13-17-12] .....	6
B.5	Severability [326 IAC 2-8-4(4)] .....	6
B.6	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)] .....	6
B.7	Duty to Provide Information [326 IAC 2-8-4(5)(E)] .....	6
B.8	Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)] .....	6
B.9	Annual Compliance Certification [326 IAC 2-8-5(a)(1)] .....	7
B.10	Compliance Order Issuance [326 IAC 2-8-5(b)] .....	7
B.11	Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] .....	8
B.12	Emergency Provisions [326 IAC 2-8-12] .....	9
B.13	Prior Permits Superseded [326 IAC 2-1.1-9.5] .....	10
B.14	Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)] .....	11
B.15	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8] .....	11
B.16	Permit Renewal [326 IAC 2-8-3(h)] .....	11
B.17	Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1] .....	12
B.18	Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1] .....	12
B.19	Source Modification Requirement [326 IAC 2-8-11.1] .....	13
B.20	Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1] .....	13
B.21	Transfer of Ownership or Operational Control [326 IAC 2-8-10] .....	14
B.22	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7] .....	14
B.23	Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6] .....	15
<b>SECTION C</b>	<b>SOURCE OPERATION CONDITIONS .....</b>	<b>16</b>
	<b>Emission Limitations and Standards [326 IAC 2-8-4(1)] .....</b>	<b>16</b>
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2] .....	16
C.2	Overall Source Limit [326 IAC 2-8] .....	16
C.3	Opacity [326 IAC 5-1] .....	16
C.4	Open Burning [326 IAC 4-1] [IC 13-17-9] .....	17
C.5	Incineration [326 IAC 4-2] [326 IAC 9-1-2] .....	17
C.6	Fugitive Dust Emissions [326 IAC 6-4] .....	17
C.7	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M] .....	17
C.8	Performance Testing [326 IAC 3-6] .....	18
C.9	Compliance Requirements [326 IAC 2-1.1-11] .....	19
C.10	Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)] .....	19
C.11	Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)] .....	19
	<b>Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)] .....</b>	<b>20</b>
C.12	Risk Management Plan [326 IAC 2-8-4] [40 CFR 68] .....	20
C.13	Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5] .....	20
C.14	Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5] .....	20

<b>Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]</b>	<b>21</b>
C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]	21
C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]	21
<b>Stratospheric Ozone Protection</b>	<b>22</b>
C.17 Compliance with 40 CFR 82 and 326 IAC 22-1	22
<b>SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS</b>	<b>23</b>
<b>Emission Limitations and Standards [326 IAC 2-8-4(1)]</b>	<b>23</b>
D.1.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1] [326 IAC 2-8-4(1)] [326 IAC 8-6] [326 IAC 8-7] [326 IAC 2-3] [40 CFR 63]	23
D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-9-1]	24
D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]	24
<b>Compliance Determination Requirements</b>	<b>24</b>
D.1.4 VOC and HAP	24
<b>Compliance Monitoring Requirements</b>	<b>25</b>
<b>Record Keeping and Reporting Requirements [326 IAC 2-8-4(3) [326 IAC 2-8-16]]</b>	<b>25</b>
D.1.5 Record Keeping Requirements	25
D.1.6 Reporting Requirements	26
<b>SECTION D.2 EMISSION UNIT OPERATION CONDITIONS</b>	<b>27</b>
<b>Emission Limitations and Standards [326 IAC 2-8-4(1)]</b>	<b>27</b>
D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-2]	27
D.2.2 Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]	27
<b>Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]]</b>	<b>27</b>
D.2.3 Record Keeping Requirements [326 IAC 8-9-6]	27
<b>SECTION E.1 OPERATION CONDITIONS</b>	<b>29</b>
<b>Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]</b>	<b>29</b>
E.1.1 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR 63, Subpart A]	29
E.1.2 40 CFR 60.110a, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	29
<b>CERTIFICATION</b>	<b>30</b>
<b>EMERGENCY OCCURRENCE REPORT</b>	<b>31</b>
<b>FESOP Quarterly Report</b>	<b>33</b>
<b>FESOP Quarterly Report</b>	<b>34</b>
<b>FESOP Quarterly Report</b>	<b>35</b>
<b>QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT</b>	<b>36</b>
<b>Attachment A: 40 CFR 60.110a, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984</b>	

## 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 2-8-3(b)]

---

The Permittee owns and operates a stationary liquid organic compound storage terminal.

Source Address:	400 East Boundary Road, Portage, Indiana 46368
General Source Phone Number:	(219) 937-4460
SIC Code:	4226
County Location:	Porter
Source Location Status:	Unclassifiable or Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Greenhouse Gas (GHG) potential to emit (PTE) is less than one hundred thousand (100,000) tons of CO <sub>2</sub> equivalent emissions (CO <sub>2</sub> e) per year Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

---

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

- (a) One (1) rail and semi-tanker loading rack operation, identified as LR1, with a maximum pumping capacity of 700 gallons of volatile organic liquids per minute and constructed in 1978.
- (b) Two (2) above ground organic liquid storage tanks, identified as ST-3 and ST-5, each with a maximum capacity of 840,000 gallons, exhausting at two (2) emissions points (S/V ID: V3 and V5), respectively (Tanks ST-3 and ST-5 were constructed in 1978 and 1983, respectively).
- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in 1981.

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

---

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal or less than ten (10) MMBtu/hr.
  - (1) One (1) natural gas fired thermal fluid heater rated at maximum heat capacity of 9.0 MMBtu/hr (constructed in 1998).
  - (2) One (1) natural gas fired boiler, identified as EU-B1, rated at maximum heat capacity of 7.5 MMBtu/hr (constructed in 1964).
- (b) Forced and induced draft cooling water system not regulated under a NESHAP.

- (c) Paved and unpaved roads and parking lots with public access.
- (d) Blowdown of any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (e) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC).
  - (1) Two (2) liquid asphalt storage tanks, identified as ST-1 and ST-2, each with maximum storage capacity of 2,730,000 gallons (both constructed in 1977).
  - (2) One (1) liquid asphalt storage tank, identified as ST-6, with a maximum storage capacity of 2,352,000 gallons (constructed in 1999).
  - (3) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-7, with a maximum storage capacity of 40,300 gallons (approved for construction in 2008).
  - (4) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-8, with a maximum storage capacity of 635,436 gallons (approved for construction in 2008).

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

---

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

## **SECTION B GENERAL CONDITIONS**

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

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

- (a) This permit, F127-33126-00046, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

### **B.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]**

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

### **B.5 Severability [326 IAC 2-8-4(4)]**

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 2-8-4(5)(D)]**

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

### **B.7 Duty to Provide Information [326 IAC 2-8-4(5)(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. 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 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]**

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:



- (1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
- (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

**B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]**

---

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All 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 and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (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 2-8-4(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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]**

---

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

**B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]**

---

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

- (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.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

---

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that 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 or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or  
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)  
Facsimile Number: 317-233-6865  
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553.

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

---

- (a) All terms and conditions of permits established prior to F127-33126-00046 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or

(3) deleted.

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

**B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]**

---

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

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

---

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State 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 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if 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 2-8-8(a)]
- (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 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by 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 2-8-8(c)]

**B.16 Permit Renewal [326 IAC 2-8-3(h)]**

---

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 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, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

---

**B.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]**

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

---

**B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]**

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) 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 approval required by 326 IAC 2-8-11.1 has been obtained;
  - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
  - (4) The Permittee notifies the:

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

and

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

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). 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 2-8-15(b)(1) and (c).

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

---

**B.19 Source Modification Requirement [326 IAC 2-8-11.1]**

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

---

**B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]**

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 FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

**B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

---

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]**

---

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.



**B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]**

---

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

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period;
- (2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period;
- (3) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (4) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

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

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

#### C.3 Opacity [326 IAC 5-1]

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

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

**C.4 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.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]**

---

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

**C.6 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.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]**

---

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

---

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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

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

---

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

## **Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]**

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

---

- (a) For new units:  
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.
- (b) For existing units:  
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

---

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

#### **C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

---

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

#### **C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

---

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (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 record the reasonable response steps taken.

#### **C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]**

---

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

#### **C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

---

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

#### **C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

---

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

- (b) The address for report submittal is:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

---

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



## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description :

#### Loading Rack and Storage Tanks

- (a) One (1) rail and semi-tanker loading rack operation, identified as LR1, with a maximum pumping capacity of 700 gallons of volatile organic liquids per minute and constructed in 1978.
- (b) Two (2) above ground organic liquid storage tanks, identified as ST-3 and ST-5, each with a maximum capacity of 840,000 gallons, exhausting at two (2) emissions points (S/V ID: V3 and V5), respectively (Tanks ST-3 and ST-5 were constructed in 1978 and 1983, respectively).
- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in 1981.

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

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

#### D.1.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1] [326 IAC 2-8-4(1)] [326 IAC 8-6] [326 IAC 8-7] [326 IAC 2-3] [40 CFR 63]

- (a) The total throughput of volatile organic liquids through the storage tanks ST-3, ST-4, and ST-5 shall be limited such that the total VOC emissions from storage tanks ST-3, ST-4, and ST-5 shall be less than seventy-four (74) tons, per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The total throughput of volatile organic liquids through the rail and semi-tank loading operation (LR1) from storage tanks ST-3, ST-4, and ST-5 shall be limited such that the total VOC emissions shall be less than twenty-four (24) tons, per twelve (12) consecutive month period with compliance determined at the end of each month.
- (c) The total throughput of volatile organic liquids through storage tanks ST-3, ST-4, and ST-5, including emissions from the storage tanks and associated losses from the rail and semi-tanker loading rack (LR1), shall be limited such that the HAP emissions shall be less than nine (9) tons for a single HAP, and twenty-four (24) tons for total HAPs, per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits, in conjunction with the PTE of VOC and HAPs from all other emissions units, shall limit the VOC, single HAP, and total HAPs emissions from the entire source to less than one-hundred (100), ten (10), and twenty-five (25) tons, respectively, per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 (Part 70), 326 IAC 2-3 (Emission Offset), and 326 IAC 8-6 (Organic Solvent Emission Limitations) are rendered not applicable. Also, the requirements of 326 IAC 2-4.1 (Major Source of Hazardous Air Pollutants) are rendered not applicable, and the entire source is rendered an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

Compliance with these limits shall limit the VOC emissions from the rail and semi-tanker loading rack (LR1) to less than twenty four (24) tons per twelve (12) consecutive month period. This LR1

limit, in conjunction with the PTE of the natural gas fluid heater and boiler and the asphalt loading, shall limit the applicable facilities to less than 25 tons combined VOC per twelve (12) consecutive month period. Therefore 326 IAC 8-7 is rendered not applicable.

#### D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-9-1]

Pursuant to 326 IAC 8-9-1 (Volatile Organic Liquid Storage Vessels), any change or modification, for the storage tanks ST-3, ST-4, and ST-5, that would lead to an increase in true vapor pressure of the volatile organic liquid, as stored, to equal to or greater than 0.75 psia at the temperature stored, shall obtain approval from the Office of Air Quality (OAQ), as required by 326 IAC 8-9-1, before such change can occur.

#### D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

### Compliance Determination Requirements

#### D.1.4 VOC and HAP

- (a) Compliance with the VOC emission limitations in Condition D.1.1(a) shall be determined as follows:

$$\text{VOC}_{(\text{TONS/MONTH})} = \text{Tanks}_{\text{Loss}(\text{LBS/MONTH})} \times 1/2000_{(\text{LBS/TON})}$$

$\text{Tanks}_{\text{Loss}}$  VOC emissions from tank storage and filling of tanks ST-3, ST-4, and ST-5 shall be calculated using USEPA's TANKS program (version 4.0 or its updates).

- (b) Compliance with the VOC emission limitations in Condition D.1.1(b) shall be determined as follows:

$$\text{VOC}_{(\text{TONS/MONTH})} = L_{\text{Loss}(\text{LBS/MONTH})} \times 1/2000_{(\text{LBS/TON})}$$

Where: (eq. 1)

= a saturation factor for loaded liquid  $i$  (see Table 5.2-1, AP-42 Section 5.2)

= true vapor pressure of liquid  $i$ , pounds per square inch absolute (psia)

= molecular weight of vapors of  $i$ , pounds per pound-mole  
(lb/lb-mole)

= temperature of bulk liquid  $i$ , °R (°F + 460)

- (c) Compliance with the HAP emission limitations in Condition D.1.1(c) shall be determined as follows:

$$\text{HAP}_{(\text{TONS/MONTH})} = [L_{\text{Loss}(\text{LBS/MONTH})} + \text{Tanks}_{\text{Loss}(\text{LBS/MONTH})}] \times 1/2000_{(\text{LBS/TON})}$$

Where  $\text{Tanks}_{\text{Loss}}$  for HAP is calculated using USEPA's TANKS program (version 4.0 or its updates) and for the HAP is calculated using the equation 1 in section (b) above.

- (d) For liquid mixtures that only contain a fraction of HAP, for the HAP for equation 1 can be calculated from Raoult's law:

Where: mole fraction of HAP of the mixture,

total vapor pressure of the mixture

## Compliance Monitoring Requirements

There are no specific compliance Monitoring Requirements applicable to these emission units.

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

### D.1.5 Record Keeping Requirements

---

- (a) To document compliance with Condition D.1.1 the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC and HAP emission limits established in Condition D.1.1.
  - (1) The amount of each type of volatile organic liquid throughput per month for storage tanks ST-3, ST-4, and ST-5. Records shall include those documents as necessary to verify the type and amount of throughput. Examples may include, but are not limited to, shipping documents, bills of loading, purchase orders, pipeline schedules, throughput summaries, Material Safety Data Sheets, and/or other records that document volumes of the specific regulated material transferred.
  - (2) Total amount of each type of volatile organic liquid throughput for each 12 consecutive month period for storage tanks ST-3, ST-4, and ST-5.
- (b) Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), storage tanks identified as ST-3, ST-4, and ST-5 are subject to the following record keeping requirements.
  - (1) The Permittee shall keep copies of all records required by this section, except for the record required by paragraph (2) below, for at least two (2) years. The record required by paragraph (2) below will be kept for the life of the source.
  - (2) The Permittee shall keep readily accessible records showing the dimension of each storage vessel, identification number and an analysis showing the capacity of each storage vessel.
  - (3) Except as provided in 326 IAC 8-9-6(f) and (g), the Permittee of each storage vessel either with a design capacity greater than or equal to thirty-nine thousand (39,000) gallons storing a liquid with a maximum true vapor pressure greater than or equal to five-tenths (0.5) pound per square inch absolute (psia) but less than seventy-five hundredths (0.75) psia shall maintain a record of the maximum true vapor pressure of the VOL, 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) Except as provided in paragraph 326 IAC 8-9-6(g), the Permittee of each storage vessel either with a design capacity greater than or equal to thirty-nine thousand (39,000) gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall maintain a record and notify the Administrator (IDEM) within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range.

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

#### D.1.6 Reporting Requirements

---

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2 EMISSION UNIT OPERATION CONDITIONS

### Emissions Unit Description:

#### Insignificant Activities:

- (a) Natural gas-fired combustion sources with heat input equal or less than ten (10) mmBtu/hr.
  - (1) One (1) natural gas fired thermal fluid heater rated at maximum heat capacity of 9.0 MMBtu/hr (constructed in 1998).
  - (2) (One (1) natural gas fired boiler, identified as EU-B1, rated at maximum heat capacity of 7.5 MMBtu/hr (constructed in 1964).
- (e) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC).
  - (1) Two (2) liquid asphalt storage tanks, identified as ST-1 and ST-2, each with maximum storage capacity of 2,730,000 gallons (both constructed in 1977).
  - (2) One (1) liquid asphalt storage tank, identified as ST-6, with a maximum storage capacity of 2,352,000 gallons (constructed in 1999).
  - (3) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-7, with a maximum storage capacity of 40,300 gallons (approved for construction in 2008).
  - (4) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-8, with a maximum storage capacity of 635,436 gallons (approved for construction in 2008).

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

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

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

Pursuant to 326 IAC 6-2-2(a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from Boiler EU-B1, which was existing and in operation on or before June 8, 1972, shall be limited to 0.6 pounds of particulate matter per million British thermal units heat input.

#### D.2.2 Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Limitations for Sources of Indirect Heating), the PM emissions from the natural gas fired thermal fluid heater shall be limited to 0.526 pounds per MMBtu heat input.

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

#### D.2.3 Record Keeping Requirements [326 IAC 8-9-6]

- (a) Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), storage tanks identified as ST-1, ST-2, ST-6, ST-7 and ST-8 are subject to the following record keeping requirements.
  - (1) The owner or operator of tanks ST-1, ST-2, ST-6, ST-7 and ST-8 shall maintain the records required by paragraph (b) for the life of the vessel.

- (2) The owner or operator of tanks ST-1, ST-2, ST-6, ST-7 and ST-8 shall maintain a record and submit to the department (IDEM) a report containing the following information for each vessel:
  - (i) The vessel identification number.
  - (ii) The vessel dimensions.
  - (iii) The vessel capacity.
  - (iv) A description of the emission control equipment for each vessel.
- (b) Except as provided in paragraph 326 IAC 8-9-6(f), the Permittee of each storage vessel with a design capacity greater than or equal to thirty-nine thousand (39,000) gallons, storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia, shall maintain a record and notify the department (IDEM) within 30 days when the maximum true vapor pressure of the liquid exceeds seventy-five hundredths (0.75) psia.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION E.1

## OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (b) Two (2) above ground organic liquid storage tanks, identified as ST-3 and ST-5, each with a maximum capacity of 840,000 gallons, exhausting at two (2) emissions points (S/V ID: V3 and V5), respectively (Tanks ST-3 and ST-5 were constructed in 1978 and 1983, respectively).
- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in 1981.

(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 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

#### E.1.1 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR 63, Subpart A]

- (a) Pursuant to 40 CFR 63.11130, the Registrant shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, except as otherwise specified in 40 CFR 63, Subpart CCCCCC.

- (b) Pursuant to 40 CFR 63.10, the Registrant shall submit all required notifications and reports to:

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

and

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

#### E.1.2 40 CFR 60.110a, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

The Registrant shall comply with the following provisions of 40 CFR Part 60, Subpart Ka (included as Attachment A of this registration), except as otherwise specified in 40 CFR Part 60, Subpart Ka:

- (1) 40 CFR 60.110a(a)
- (2) 40 CFR 60.111a

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

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

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:



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

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

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046

**This form consists of 2 pages**

**Page 1 of 2**

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

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: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046  
Facility: Storage Tanks ST-3, ST-4, and ST-5  
Parameter: Highest HAP Emissions  
Limit: The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the HAP emissions shall each be less than 9 tons for a single HAP, and 24 tons for total HAPs, per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046  
Facility: Storage Tanks ST-3, ST-4, and ST-5  
Parameter: Total HAP Emissions  
Limit: The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the HAP emissions shall each be less than 9 tons for a single HAP, and 24 tons for total HAPs, per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046  
Facility: Storage Tanks ST-3, ST-4, and ST-5  
Parameter: Total VOC Emissions  
Limit: The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the total VOC emissions shall be less than 24 tons, per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046

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

Page 1 of 2

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

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

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

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

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

Form Completed by: \_\_\_\_\_

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

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

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

**Attachment A to  
FESOP Operating Permit Renewal No.: 127-33126-00046**

[Downloaded from the eCFR on May 13, 2013]

**Electronic Code of Federal Regulations**

**Title 40: Protection of Environment**

**Part 60, Subpart Ka—Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984**

**§ 60.110a Applicability and designation of affected facility.**

(a) *Affected facility.* Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a storage capacity greater than 151,416 liters (40,000 gallons) that is used to store petroleum liquids for which construction is commenced after May 18, 1978.

(b) Each petroleum liquid storage vessel with a capacity of less than 1,589,873 liters (420,000 gallons) used for petroleum or condensate stored, processed, or treated prior to custody transfer is not an affected facility and, therefore, is exempt from the requirements of this subpart.

(c) *Alternative means of compliance* —(1) *Option to comply with part 65.* Owners or operators may choose to comply with 40 CFR part 65, subpart C, to satisfy the requirements of §§ 60.112a through 60.114a for storage vessels that are subject to this subpart that store petroleum liquids that, as stored, have a maximum true vapor pressure equal to or greater than 10.3 kPa (1.5 psia). Other provisions applying to owners or operators who choose to comply with 40 CFR part 65 are provided in 40 CFR 65.1.

(2) *Part 60, subpart A.* Owners or operators who choose to comply with 40 CFR part 65, subpart C, must also comply with §§ 60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those storage vessels. All sections and paragraphs of subpart A of this part that are not mentioned in this paragraph (c)(2) do not apply to owners or operators of storage vessels complying with 40 CFR part 65, subpart C, except that provisions required to be met prior to implementing 40 CFR part 65 still apply. Owners and operators who choose to comply with 40 CFR part 65, subpart C, must comply with 40 CFR part 65, subpart A.

[45 FR 23379, Apr. 4, 1980, as amended at 65 FR 78275, Dec. 14, 2000]

**§ 60.111a Definitions.**

In addition to the terms and their definitions listed in the Act and subpart A of this part the following definitions apply in this subpart:

(a) *Storage vessel* means each tank, reservoir, or container used for the storage of petroleum liquids, but does not include:

(1) Pressure vessels which are designed to operate in excess of 204.9 kPa (15 psig) without emissions to the atmosphere except under emergency conditions.

(2) Subsurface caverns or porous rock reservoirs, or

(3) Underground tanks if the total volume of petroleum liquids added to and taken from a tank annually does not exceed twice the volume of the tank.

(b) *Petroleum liquids* means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery but does not mean Nos. 2 through 6 fuel oils as specified in ASTM D396-78, 89, 90, 92, 96, or 98,



gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78 or 96, gas turbine fuel oils Nos. 2-GT through 4-GT as specified in ASTM D2880-78 or 96, or diesel fuel oils Nos. 2-D and 4-D as specified in ASTM D975-78, 96, or 98a. (These three methods are incorporated by reference—see § 60.17.)

(c) *Petroleum refinery* means each facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum or through redistillation, cracking, extracting, or reforming of unfinished petroleum derivatives.

(d) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

(e) *Condensate* means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.

(f) *True vapor pressure* means the equilibrium partial pressure exerted by a petroleum liquid such as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks, Second Edition, February 1980 (incorporated by reference—see § 60.17).

(g) *Reid vapor pressure* is the absolute vapor pressure of volatile crude oil and nonviscous petroleum liquids, except liquified petroleum gases, as determined by ASTM D323-82 or 94 (incorporated by reference—see § 60.17).

(h) *Liquid-mounted seal* means a foam or liquid-filled primary seal mounted in contact with the liquid between the tank wall and the floating roof continuously around the circumference of the tank.

(i) *Metallic shoe seal* includes but is not limited to a metal sheet held vertically against the tank wall 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.

(j) *Vapor-mounted seal* means a foam-filled primary seal mounted continuously around the circumference of the tank so there is an annular vapor space underneath the seal. The annular vapor space is bounded by the bottom of the primary seal, the tank wall, the liquid surface, and the floating roof.

(k) *Custody transfer* means the transfer of produced petroleum and/or condensate, after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

[45 FR 23379, Apr. 4, 1980, as amended at 48 FR 3737, Jan. 27, 1983; 52 FR 11429, Apr. 8, 1987; 65 FR 61756, Oct. 17, 2000]

#### **§ 60.112a Standard for volatile organic compounds (VOC).**

(a) The owner or operator of each storage vessel to which this subpart applies which contains a petroleum liquid which, as stored, has a true vapor pressure equal to or greater than 10.3 kPa (1.5 psia) but not greater than 76.6 kPa (11.1 psia) shall equip the storage vessel with one of the following:

(1) An external floating roof, consisting of a pontoon-type or double-deck-type cover that rests on the surface of the liquid contents and is equipped with a closure device between the tank wall and the roof edge. Except as provided in paragraph (a)(1)(ii)(D) of this section, the closure device is to consist of two seals, one above the other. The lower seal is referred to as the primary seal and the upper seal is referred to as the secondary seal. The roof is to be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

(i) The primary seal is to be either a metallic shoe seal, a liquid-mounted seal, or a vapor-mounted seal. Each seal is to meet the following requirements:

(A) The accumulated area of gaps between the tank wall and the metallic shoe seal or the liquid-mounted seal shall not exceed  $212 \text{ cm}^2$  per meter of tank diameter ( $10.0 \text{ in}^2$  per ft of tank diameter) and the width of any portion of any gap shall not exceed  $3.81 \text{ cm}$  ( $1\frac{1}{2} \text{ in}$ ).

(B) The accumulated area of gaps between the tank wall and the vapor-mounted seal shall not exceed  $21.2 \text{ cm}^2$  per meter of tank diameter ( $1.0 \text{ in}^2$  per ft of tank diameter) and the width of any portion of any gap shall not exceed  $1.27 \text{ cm}$  ( $\frac{1}{2} \text{ in}$ ).

(C) One end of the metallic shoe is to extend into the stored liquid and the other end is to extend a minimum vertical distance of  $61 \text{ cm}$  ( $24 \text{ in}$ ) above the stored liquid surface.

(D) There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

(ii) The secondary seal is to meet the following requirements:

(A) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in paragraph (a)(1)(ii)(B) of this section.

(B) The accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed  $21.2 \text{ cm}^2$  per meter of tank diameter ( $1.0 \text{ in}^2$  per ft. of tank diameter) and the width of any portion of any gap shall not exceed  $1.27 \text{ cm}$  ( $\frac{1}{2} \text{ in}$ ). There shall be no gaps between the tank wall and the secondary seal used in combination with a vapor-mounted primary seal.

(C) There are to be no holes, tears or other openings in the seal or seal fabric.

(D) The owner or operator is exempted from the requirements for secondary seals and the secondary seal gap criteria when performing gap measurements or inspections of the primary seal.

(iii) Each opening in the roof except for automatic bleeder vents and rim space vents is to provide a projection below the liquid surface. Each opening in the roof except for automatic bleeder vents, rim space vents and leg sleeves is to be equipped with a cover, seal 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 or as described in paragraph (a)(1)(iv) of this section. Automatic bleeder vents 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. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting.

(iv) Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.

(2) A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, 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. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting.

(3) A vapor recovery system which collects all VOC vapors and gases discharged from the storage vessel, and a vapor return or disposal system which is designed to process such VOC vapors and gases so as to reduce their emission to the atmosphere by at least 95 percent by weight.

(4) A system equivalent to those described in paragraphs (a)(1), (a)(2), or (a)(3) of this section as provided in § 60.114a.

(b) The owner or operator of each storage vessel to which this subpart applies which contains a petroleum liquid which, as stored, has a true vapor pressure greater than 76.6 kPa (11.1 psia), shall equip the storage vessel with a vapor recovery system which collects all VOC vapors and gases discharged from the storage vessel, and a vapor return or disposal system which is designed to process such VOC vapors and gases so as to reduce their emission to the atmosphere by at least 95 percent by weight.

[45 FR 23379, Apr. 4, 1980, as amended at 45 FR 83229, Dec. 18, 1980]

**§ 60.113a Testing and procedures.**

(a) Except as provided in § 60.8(b) compliance with the standard prescribed in § 60.112a shall be determined as follows or in accordance with an equivalent procedure as provided in § 60.114a.

(1) The owner or operator of each storage vessel to which this subpart applies which has an external floating roof shall meet the following requirements:

(i) Determine the gap areas and maximum gap widths between the primary seal and the tank wall and between the secondary seal and the tank wall according to the following frequency:

(A) For primary seals, gap measurements shall be performed within 60 days of the initial fill with petroleum liquid and at least once every five years thereafter. All primary seal inspections or gap measurements which require the removal or dislodging of the secondary seal shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible.

(B) For secondary seals, gap measurements shall be performed within 60 days of the initial fill with petroleum liquid and at least once every year thereafter.

(C) If any storage vessel is out of service for a period of one year or more, subsequent refilling with petroleum liquid shall be considered initial fill for the purposes of paragraphs (a)(1)(i)(A) and (a)(1)(i)(B) of this section.

(D) Keep records of each gap measurement at the plant for a period of at least 2 years following the date of measurement. Each record shall identify the vessel on which the measurement was performed and shall contain the date of the seal gap measurement, the raw data obtained in the measurement process required by paragraph (a)(1)(ii) of this section and the calculation required by paragraph (a)(1)(iii) of this section.

(E) If either the seal gap calculated in accord with paragraph (a)(1)(iii) of this section or the measured maximum seal gap exceeds the limitations specified by § 60.112a of this subpart, a report shall be furnished to the Administrator within 60 days of the date of measurements. The report shall identify the vessel and list each reason why the vessel did not meet the specifications of § 60.112a. The report shall also describe the actions necessary to bring the storage vessel into compliance with the specifications of § 60.112a.

(ii) Determine gap widths in the primary and secondary seals individually by the following procedures:

(A) Measure seal gaps, if any, at one or more floating roof levels when the roof is floating off the roof leg supports.

(B) Measure seal gaps around the entire circumference of the tank in each place where a  $\frac{1}{8}$  " diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the tank wall and measure the circumferential distance of each such location.

(C) The total surface area of each gap described in paragraph (a)(1)(ii)(B) of this section shall be determined by using probes of various widths to accurately measure the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

(iii) Add the gap surface area of each gap location for the primary seal and the secondary seal individually. Divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the appropriate ratio in the standard in § 60.112a(a)(1)(i) and § 60.112a(a)(1)(ii).

(iv) Provide the Administrator 30 days prior notice of the gap measurement to afford the Administrator the opportunity to have an observer present.

(2) The owner or operator of each storage vessel to which this subpart applies which has a vapor recovery and return or disposal system shall provide the following information to the Administrator on or before the date on which construction of the storage vessel commences:

(i) Emission data, if available, for a similar vapor recovery and return or disposal system used on the same type of storage vessel, which can be used to determine the efficiency of the system. A complete description of the emission measurement method used must be included.

(ii) The manufacturer's design specifications and estimated emission reduction capability of the system.

(iii) The operation and maintenance plan for the system.

(iv) Any other information which will be useful to the Administrator in evaluating the effectiveness of the system in reducing VOC emissions.

[45 FR 23379, Apr. 4, 1980, as amended at 52 FR 11429, Apr. 8, 1987]

**§ 60.114a Alternative means of emission limitation.**

(a) If, in the Administrator's judgment, an alternative means of emission limitation will achieve a reduction in emissions at least equivalent to the reduction in emissions achieved by any requirement in § 60.112a, the Administrator will publish in the FEDERAL REGISTER a notice permitting the use of the alternative means for purposes of compliance with that requirement.

(b) Any notice under paragraph (a) of this section will be published only after notice and an opportunity for a hearing.

(c) Any person seeking permission under this section shall submit to the Administrator a written application including:

(1) An actual emissions test that uses a full-sized or scale-model storage vessel that accurately collects and measures all VOC emissions from a given control device and that accurately simulates wind and accounts for other emission variables such as temperature and barometric pressure.

(2) An engineering evaluation that the Administrator determines is an accurate method of determining equivalence.

(d) The Administrator may condition the permission on requirements that may be necessary to ensure operation and maintenance to achieve the same emissions reduction as specified in § 60.112a.

(e) The primary vapor-mounted seal in the "Volume-Maximizing Seal" manufactured by R.F.I. Services Corporation is approved as equivalent to the vapor-mounted seal required by § 60.112a(a)(1)(i) and must meet the gap criteria specified in § 60.112a(a)(1)(i)(B). There shall be no gaps between the tank wall and any secondary seal used in conjunction with the primary seal in the "Volume-Maximizing Seal".

[52 FR 11429, Apr. 8, 1987]

**§ 60.115a Monitoring of operations.**

(a) Except as provided in paragraph (d) of this section, the owner or operator subject to this subpart shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.

(b) Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin

2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

(c) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa (2.0 psia) or whose physical properties preclude determination by the recommended method is to be determined from available data and recorded if the estimated true vapor pressure is greater than 6.9 kPa (1.0 psia).

(d) The following are exempt from the requirements of this section:

(1) Each owner or operator of each storage vessel storing a petroleum liquid with a Reid vapor pressure of less than 6.9 kPa (1.0 psia) provided the maximum true vapor pressure does not exceed 6.9 kPa (1.0 psia).

(2) The owner or operator of each storage vessel equipped with a vapor recovery and return or disposal system in accordance with the requirements of § 60.112a(a)(3) and (b), or a closed vent system and control device meeting the specifications of 40 CFR 65.42(b)(4), (b)(5), or (c).

[45 FR 23379, Apr. 4, 1980, as amended at 65 FR 78275, Dec. 14, 2000]

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

Technical Support Document (TSD) for a  
Federally Enforceable State Operating Permit Renewal

<b>Source Background and Description</b>
--

Source Name:	Tanco Terminals, Inc.
Source Location:	400 East Boundary Road, Portage, Indiana 46368
County:	Porter
SIC Code:	4226
Permit Renewal No.:	F127-33126-00046
Permit Reviewer:	Randy Wingerter

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Tanco Terminals, Inc. relating to the operation of a stationary liquid organic compound storage terminal. On April 26, 2013, Tanco Terminals, Inc. submitted an application to the OAQ requesting to renew its operating permit. Tanco Terminals, Inc. was issued its first FESOP Renewal (F127-17655-00046) on February 3, 2004.

<b>Permitted Emission Units and Pollution Control Equipment</b>
---

The source consists of the following permitted emission units:

- (a) One (1) rail and semi-tanker loading rack operation, identified as LR1, with a maximum pumping capacity of 700 gallons of volatile organic liquids per minute and constructed in 1978.
- (b) Two (2) above ground organic liquid storage tanks, identified as ST-3 and ST-5, each with a maximum capacity of 840,000 gallons, exhausting at two (2) emissions points (S/V ID: V3 and V5), respectively. Tanks ST-3 and ST-5 were constructed in 1978 and 1983, respectively.
- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in 1981.

<b>Insignificant Activities</b>
---------------------------------

The source also consists of the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal or less than ten (10) MMBtu/hr.
  - (1) One (1) natural gas fired thermal fluid heater rated at maximum heat capacity of 9.0 MMBtu/hr (constructed in 1998).
  - (2) One (1) natural gas fired boiler, identified as EU-B1, rated at maximum heat capacity of 7.5 MMBtu/hr (constructed in 1964).
- (b) Forced and induced draft cooling water system not regulated under a NESHAP.

- (c) Paved and unpaved roads and parking lots with public access.
- (d) Blowdown of any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (e) Other categories with emissions below insignificant thresholds (i.e. less than 3 pounds per hour VOC).
  - (1) Two (2) liquid asphalt storage tanks, identified as ST-1 and ST-2, each with maximum storage capacity of 2,730,000 gallons (both constructed in 1977).
  - (2) One (1) liquid asphalt storage tank, identified as ST-6, with a maximum storage capacity of 2,352,000 gallons (constructed in 1999).
  - (3) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-7, with a maximum storage capacity of 40,300 gallons (approved for construction in 2008).
  - (4) One (1) fixed roof above ground liquid asphalt storage tank, identified as ST-8, with a maximum storage capacity of 635,436 gallons (approved for construction in 2008).

#### Existing Approvals

Since the issuance of the Part 70 Operating Permit/FESOP/MSOP (127-19655-00046) on February 3, 2004, the source has constructed or has been operating under the following additional approvals:

- (a) Administrative Amendment No. 127-17870-00046 issued on September 12, 2003; and
- (b) Administrative Amendment No. 127-25341-00046 issued on January 7, 2008.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

#### Enforcement Issue

There are no enforcement actions pending.

#### Emission Calculations

See Appendix A of this document for detailed emission calculations.

#### County Attainment Status

The source is located in Porter County.

Pollutant	Designation
SO <sub>2</sub>	Cannot be classified for the area bounded on the north by Lake Michigan; on the west by the Lake County and Porter County line; on the south by I-80 and I-90; and on the east by the LaPorte County and Porter County line. The remainder of Porter County is better than national standards.

Pollutant	Designation
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	On June 11, 2012, the U.S. EPA designated Porter County nonattainment, for the 8-hour ozone standard. <sup>1,2</sup>
PM <sub>2.5</sub>	Unclassifiable or attainment effective February 6, 2012, for the annual PM <sub>2.5</sub> standard.
PM <sub>2.5</sub>	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM <sub>2.5</sub> standard.
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
<sup>1</sup> Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area, including Porter County, for the 1-hour standard which was revoked effective June 15, 2005. The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Porter County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard. <sup>2</sup> The department has filed a legal challenge to U.S. EPA's designation in 77 FR 34228.	

- (a) Ozone Standards  
U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, has designated Porter County as nonattainment for ozone. On August 1, 2012, the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against U.S. EPA in the U.S. Court of Appeals for the DC Circuit on July 19, 2012. 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 designation. 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 ozone. Therefore, VOC and NO<sub>x</sub> emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (b) PM<sub>2.5</sub>  
Porter County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM<sub>2.5</sub> significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Other Criteria Pollutants  
Porter County has been classified as attainment or unclassifiable in Indiana for SO<sub>2</sub>, CO, PM<sub>10</sub>, NO<sub>2</sub>, and Pb. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.



### Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

### Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	Less than 100
PM <sub>10</sub>	Less than 100
PM <sub>2.5</sub>	Less than 100
SO <sub>2</sub>	Less than 100
VOC	Greater than 100
CO	Less than 100
NO <sub>x</sub>	Less than 100
GHGs as CO <sub>2</sub> e	Less than 100,000
Single HAP	Less than 10
Total HAP	Less than 25

HAPs	tons/year
Single HAP	Greater than 10
<b>Total HAP</b>	<b>Greater than 25</b>

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than 100 tons per year. However, the Permittee has agreed to limit the source's VOC emissions to less than Title V levels, therefore the Permittee will be issued a FESOP Renewal.
- The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHGs is less than one hundred thousand (100,000) tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year.
- The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. However, the Permittee has agreed to limit the source's single HAP emissions and total

HAP emissions below Title V levels. Therefore, the Permittee will be issued a FESOP Renewal.

**Potential to Emit After Issuance**

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)									
	PM	PM <sub>10</sub> *	PM <sub>2.5</sub> **	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	GHGs	Total HAPs	Worst Single HAP
Asphalt Tanks and Truck Loading	0.05	-	-	-	-	0.09	0.009	-	0.001	0.001
Nat Gas Fluid Heater and Boiler (Combustion)	0.13	0.54	0.54	0.04	7.09	0.39	5.95	8554.10	0.13	0.13
Leaks	-	-	-	-	-	0.14	-	-	0.14	-
Permitted for tanks T003, T004, and T005	-	-	-	-	-	74.00	-	-	24.00	9.00
Permitted for associated loading from tanks T003, T004, and T005	-	-	-	-	-	24.00	-	-		
<b>Total PTE of Entire Source</b>	<b>0.18</b>	<b>0.00</b>	<b>0.54</b>	<b>0.04</b>	<b>7.09</b>	<b>98.23</b>	<b>5.96</b>	<b>8554.10</b>	<b>24.27</b>	<b>9.14</b>
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO <sub>2</sub> e	25	10
PSD Major Source Thresholds	250	250	250	250	250	NA	250	100,000 CO <sub>2</sub> e	NA	NA
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a regulated air pollutant". **PM <sub>2.5</sub> listed is direct PM <sub>2.5</sub> .										

- (a) This existing stationary source is not major for PSD because the emissions of each regulated pollutant, excluding GHGs, are less than two hundred fifty (<250) tons per year and it is not in one of the twenty-eight (28) listed source categories.
- (b) This existing stationary source is not major for Emission Offset because the emissions of the nonattainment pollutants, VOC and NO<sub>x</sub>, are less than one hundred (<100) tons per year.
- (c) GHG emissions are less than one hundred thousand (<100,000) tons of CO<sub>2</sub> equivalent (CO<sub>2</sub>e) emissions per year.

### Federal Rule Applicability

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.
- (b) This source is subject to 40 CFR 60.110a, Subpart Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, which is incorporated by reference as 326 IAC 12. Tanks ST-3, ST-4, and ST-5 store petroleum liquids and commenced construction after May 18, 1978 and prior to July 23, 1984. Since the FESOP restricts the liquids to a vapor pressure less than 0.75 psia, portions 60.112a, 60.113a and 60.114a are not applicable. (Note: The exact installation date of tank ST-3 is not known. For purposes of Subpart Ka evaluation, it is assumed that the installation date is after May 18, 1978.)

Nonapplicable portions of the NSPS will not be included in the permit. This source is subject to the following portions of Subpart Ka.

- (1) 40 CFR 60.110a(a)
  - (2) 40 CFR 60.111a
- (b) The requirements of 40 CFR 60.110b, Subpart Kb: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit for the Tanks ST-3, ST-4, and ST-5. Construction of these units commenced prior to July 23, 1984. Subpart Kb does not apply to Tanks ST-1, ST-2, ST-6, ST-7, or ST-8 since these tanks only process liquid asphalt which has a maximum true vapor pressure of less than 3.5 kilopascals (KPa).
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

### State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)  
The source is subject to 326 IAC 1-6-3.

326 IAC 1-5-2 (Emergency Reduction Plans)  
The source is subject to 326 IAC 1-5-2.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants)  
This rule applies to any owner or operator that constructs or reconstructs a major source of hazardous air pollutants (HAP) after July 27, 1997. None of the facilities constructed after July 27, 1997 are major sources of HAP. Therefore 326 IAC 2-4.1 does not apply.

326 IAC 5-1 (Opacity Limitations)  
This source is subject to the opacity limitations specified in 326 IAC 5-1-2.

326 IAC 6-5 PM Fugitive Particulate Matter Emission Limitation  
This source is not subject to 326 IAC 6-5 the potential fugitive particulate matter emissions are less than twenty-five (25) tons per year.

326 IAC 6.5 PM Limitations Except Lake County

This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

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

This rule applies to sources commencing operation after October 7, 1974 and prior to January 1, 1980 that are located anywhere in the state, with potential VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. Tanks ST-1, ST-2, ST-3 and ST-4 existed as of January 1, 1980. The source (including the storage tanks) shall be limited to less than 100 tons per year of total VOC. Therefore 326 IAC 8-6 does not apply.

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

The requirements of this rule apply to stationary sources located in Lake, Porter, Clark and Floyd Counties that emit or have the potential to emit VOCs at levels equal to or greater than 25 tons per year in Lake and Porter Counties and to any coating facility that emits or has the potential to emit 10 tons per year or greater in Lake, Porter, Clark or Floyd County. Per 326 IAC 8-7-2(3)(Q), volatile organic liquids storage facilities are exempt from 326 IAC 8-7. This source is located in Porter County, a regulated county, but the source (except for the storage tanks) will be limited to VOC emissions of less than 25 tons per year. Therefore, this rule is not applicable to this source.

<b>State Rule Applicability - Tanks and Loading Racks</b>
---

**326 IAC 8-1-6 (General Reduction Requirements)**

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, which have potential volatile organic compound (VOC) emissions of 25 tons per year or more, and are not otherwise regulated by other provisions of Article 8. Tanks ST-4 and ST-5 were constructed after January 1, 1980 and have potential emissions of 25 tons or more per year. However, Tanks ST-4 and ST-5 are regulated by 326 IAC 8-9. Therefore, rule 326 IAC 8-1-6 does not apply to Tanks ST-4 and ST-5.

**326 IAC 8-4 (Petroleum Sources)**

- (a) Pursuant to 326 IAC 8-4-1, asphalt storage tank ST-6 is subject to 326 IAC 8-4-3 (Petroleum liquid storage facilities) because ST-6 has a storage capacity greater than 39,000 gallons and was constructed after January 1, 1980. However, this asphalt storage tanks contains a liquid whose true vapor pressure is less than 10.5 kPa. Therefore, 326 IAC 8-4-3 is not applicable.
- (b) Tanks ST-3, ST-4, and ST-5 are not subject to any regulations in 326 IAC 8-4 because they are limited to liquids with a true vapor pressure less than 10.5 kPa (1.523 psia).

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

This rule applies to stationary vessels used to store volatile organic liquid (VOL) that are located in Clark, Floyd, Lake, or Porter County.

- (a) Tanks ST-1, ST-2, ST-3, ST-4, ST-5, ST-6, ST-7, and ST-8 are subject to 326 IAC 8-9-6 (a) and (b). Tanks ST-3, ST-4, and ST-5 are subject to 326 IAC 8-9-6(g) and (h) when storing a VOL with a maximum true vapor pressure greater than 0.5 pounds per square inch absolute (psia) and less than 0.75 pound per square inch absolute (psia). The source is limiting the VOCs that will be stored in tanks ST-3, ST-4, and ST-5 to a vapor pressure of less than 0.75 psia and therefore is not subject to 326 IAC 8-9-4, 326 IAC 8-9-5, or 326 IAC 8-9-6(c), (d), (e), or (f).
- (b) Pursuant to 326 IAC 8-9-6(a) and (b), the owner or operator shall maintain the following records for the life of the vessel:
  - (1) The vessel identification number;

- (2) The vessel dimensions;
- (3) The vessel capacity;
- (c) Pursuant to 326 IAC 8-9-6(g), vessels with a design capacity greater than or equal to 39,000 gallons storing a VOL with a maximum true vapor pressure greater than or equal to five-tenths (0.5) pound per square inch absolute (psia) but less than seventy-five hundredths (0.75) psia shall 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.
  - (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.
- (d) Pursuant to 326 IAC 8-9-6(h), vessels with a design capacity greater than or equal to 39,000 gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall maintain a record and notify the department within thirty (30) days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.

#### State Rule Applicability – Individual Facilities

##### 326 IAC 6-2-2 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-1(b), indirect heating facilities in Porter County which were existing and in operation before September 21, 1983 are subject to the requirements of 326 IAC 6-2-2.

The particulate matter emissions (Pt) shall be limited by the following equation:

$$Pt = \frac{0.87}{Q^{0.16}}$$

Where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu).

Q = Total source maximum operating capacity rating in MMBtu/hr heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation.

Pursuant to 326 IAC 6-2-2(a), for Q less than 10 MMBtu/hr, Pt shall not exceed 0.6 lb/MMBtu.

Indirect Heating Units Which Began Operation Before September 21, 1983						
Facility	Construction Date	Operating Capacity (MMBtu/hr)	Q (MMBtu/hr)	Calculated Pt (lb/MMBtu)	Particulate Limitation, (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
Boiler EU-B1	1964	7.5	7.5	0.630	0.6	0.0019

Indirect Heating Units Which Began Operation Before September 21, 1983						
Facility	Construction Date	Operating Capacity (MMBtu/hr)	Q (MMBtu/hr)	Calculated Pt (lb/MMBtu)	Particulate Limitation, (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
Where: Q = Includes the capacity (MMBtu/hr) of the new unit(s) and the capacities for those unit(s) which were in operation at the source at the time the new unit(s) was constructed.						

**326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)**

Pursuant to 326 IAC 6-2-1(d), indirect heating facilities which received permit to construct after September 21, 1983 are subject to the requirements of 326 IAC 6-2-4.

The particulate matter emissions (Pt) shall be limited by the following equation:

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

Where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu).

Q = Total source maximum operating capacity rating in MMBtu/hr heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation.

Pursuant to 326 IAC 6-2-4(a), for Q less than 10 MMBtu/hr, Pt shall not exceed 0.6 lb/MMBtu.

Indirect Heating Units Which Began Operation After September 21, 1983						
Facility	Construction Date	Operating Capacity (MMBtu/hr)	Q (MMBtu/hr)	Calculated Pt (lb/MMBtu)	Particulate Limitation, (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
Boiler EU-B1	1964	7.5	7.5			
Thermal fluid heater	1998	9.0	16.5	0.526	0.526	0.0019
Where: Q = Includes the capacity (MMBtu/hr) of the new unit(s) and the capacities for those unit(s) which were in operation at the source at the time the new unit(s) was constructed.						

**Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-8 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 2-8-4. 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.

<b>Proposed Changes</b>
-------------------------

The following changes listed below are due to the proposed revision. Deleted language appears as ~~striketrough~~ text and new language appears as **bold** text:

**Summary of Model Updates Throughout the Permit**

- (a) IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.
- (b) On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule sites listed in the permit. These changes are not changes to the underlining provisions. The change is only to site of these rules in Section B - Operational Flexibility. IDEM, OAQ has clarified the rule sites for the Preventive Maintenance Plan.
- (c) **Multiple Conditions - Timeframe References**  
IDEM, OAQ has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, all references to timelines have been revised to "no later than" or "not later than" except for the timelines in subparagraphs (b)(4) and (b)(5) of Section B - Emergency Provisions and Section B - Annual Fee Payment, in which the underlying rules state "within".
- (d) **Multiple Conditions - Responsible Official References**  
326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM, OAQ is revising all instances of "the responsible official" to read "a responsible official".
- (e) **Multiple Conditions - Certification Requirement References**  
IDEM, OAQ has decided to clarify what rule requirements a certification needs to meet.
- (f) **Multiple Conditions - Branch Name Updates**  
Several of IDEM's Branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.
- (g) The Northwest Regional Office has changed locations. The Region Office address and telephone numbers have been updated.

**Summary of Model Updates for Section A**

- (a) Effective May 11, 2010 all Indiana Counties were designated as attainment for the 8-hour ozone standard.

## Summary of Model Updates for B and C Conditions

IDEM, OAQ has made changes to some of the standard language in the B and C conditions of the permit to help clarify the intent of these conditions. The following revisions have been made to the B and C Sections of the permit:

- (a) **Section B - Duty to Provide Information**  
IDEM, OAQ has revised Section B - Duty to Provide Information by removing the statement that the submittal by the Permittee requires the certification by the "responsible official".
- (b) **Section B - Certification**  
IDEM, OAQ has decided to clarify Section B - Certification to be consistent with the rule and to clarify that Section B - Certification only states what a certification must be.
- (c) **Section B - Preventive Maintenance Plan**  
IDEM, OAQ has revised Section B - Preventive Maintenance Plan.
- (d) **Section B - Emergency Provisions**  
IDEM, OAQ is revising Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-8-4(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.
- (e) **Section B - Deviation from Permit Requirements and Section C - General Reporting Requirements**  
IDEM, OAQ has decided that having a separate condition for the reporting of deviations is unnecessary. Therefore, Section B - Deviation from Permit Requirements and Conditions has been removed and the requirements of that condition have been added to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM, OAQ already states the timeline and certification needs of each report in the condition requiring the report.
- (f) **Section B - Permit Renewal**  
IDEM, OAQ has decided to state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.
- (g) **Section B - Source Modification Requirement**  
IDEM, OAQ has decided to reference 326 IAC 2 in Section B - Source Modification Requirement rather than the specific construction rule.
- (h) **Section C - Opacity**  
IDEM, OAQ has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.
- (i) **Section C - Incineration**  
IDEM, OAQ has revised Section C - Incineration to more closely reflect the two underlying rules.
- (j) **Section C - Open Burning**  
The last sentence of Section C - Open Burning was removed because the provisions of 326 IAC 4-1-3(a)(2)(A) and (B) are federally enforceable and are included in Indiana's State Implementation Plan (SIP).



- (k) **Section C - Fugitive Particulate Matter Emission Limitations**  
IDEM, OAQ has decided not to list the submission date of the Fugitive Dust Plan because the plan has been included with the permit and requires permit action to change the plan.
- (l) **Section C - Asbestos Abatement Projects**  
IDEM, OAQ has revised paragraph (g) of Section C - Asbestos Abatement Projects to match the rule language in 326 IAC 14-10-1(a).
- (m) **Section C - Performance Testing**  
IDEM, OAQ has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
- (n) **Section C - Compliance Monitoring**  
IDEM, OAQ has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been changed to clearly indicate that it is the Permittee that must follow the requirements of the condition.  
  
IDEM is changing the Section C - Compliance Monitoring Condition to clearly describe when new monitoring for new and existing units must begin.
- (o) **Section C - Instrument Specifications**  
IDEM has clarified Section C - Instrument Specifications to indicate that the analog instrument must be capable of measuring the parameters outside the normal range.
- (p) **Section C - Monitoring Methods**  
IDEM, OAQ has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.
- (q) **Section C - Emergency Reduction Plans**  
IDEM, OAQ has decided not to list the submission date of the ERP because the ERP can be updated without a permit change.
- (r) **Section C - Response to Excursions or Exceedances**  
IDEM, OAQ has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

IDEM, OAQ has decided to include a general condition title Response to Excursions and Exceedances. The Permittee will be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal.

- (s) **Section C - Actions Related to Noncompliance Demonstrated by a Stack Test**  
IDEM, OAQ has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was revised from "the receipt of the test results" to "the date of the test". There was confusion if the "receipt" was by IDEM, the Permittee or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.
- (t) **Section C - Emission Statement**  
IDEM, OAQ decided to remove paragraph (c) of Section C - Emission Statement since it was duplicative of the requirement in Section C - General Reporting Requirements.  
  
The Permittee is subject to 326 IAC 2-6. The requirement was not in the permit. IDEM has added the requirement.
- (u) **Section C - General Record Keeping Requirements**  
The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.  
  
IDEM, OAQ has clarified the Permittee's responsibility with regards to record keeping.  
  
IDEM has added "where applicable" to the lists in Section C - General Record Keeping Requirements to more closely match the underlining rule.
- (v) IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions.
- (w) **Section C - Compliance with 40 CFR 82 and 326 IAC 22-1**  
IDEM, OAQ has decided to simplify the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

#### Summary of Model Updates for D Conditions

IDEM, OAQ has made changes to some of the standard language in conditions in the D Sections of the permit to help clarify the intent of these conditions. The following revisions have been made to the D Sections of the permit:

- (a) The word "status" has been added to the Record Keeping Requirements and Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

#### Summary of Model Updates for the forms

The following changes have been made to the forms at the end of the permit:

- (a) IDEM, OAQ has decided to remove the last sentence dealing with the need for certification from the forms because the Conditions requiring the forms already address this issue.

- (b) The phrase "of this permit" has been added to the paragraph of the Quarterly Deviation and Compliance Monitoring Report to match the underlying rule.
- (c) IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions.

### Summary of Updates Specific to this Permittee

- (a) **Sections D.1 and Forms**  
The Emissions Limitations and Standards for storage tanks ST-3, ST-4 and ST-5 have been changed to reflect VOC and HAP emissions from unspecified compounds instead of styrene. Reporting forms have been added for the calculated emissions.

### The permit has been changed as follows:

#### SECTION A SOURCE SUMMARY

\*\*\*

##### A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary liquid organic compound storage terminal.

Source Address:	400 East Boundary Road, Portage, IN Indiana 46368
Mailing Address:	P.O. BOX 565, Hammond, IN 46325
General Source Phone Number:	(219) 937-4460
SIC Code:	4226
Source Location Status:	County Location: Porter
County Source Location Status:	Moderate Nonattainment for ozone Unclassified or Unclassifiable or Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Program <b>Greenhouse Gas (GHG) potential to emit (PTE) is less than one hundred thousand (100,000) tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year</b> Minor Source, under PSD and Emission Offset; Rules Minor Source, Section 112 of the Clean Air Act <b>Not 1 of 28 Source Categories</b>

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

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

\*\*\*

- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in 1978 **1981**.

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

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

\*\*\*

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

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

SECTION B GENERAL CONDITIONS

~~B.1 — Permit No Defense [IC 13]~~

~~Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.~~

B.21 Definitions [326 IAC 2-8-1]

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

- (a)** This permit, **F127-33126-00046**, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date **of this permit**.
- (b)** If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [326 IAC 2-8-6] **[IC 13-17-12]**

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

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

---

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

**B.65 Severability [326 IAC 2-8-4(4)]**

---

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

---

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

**B.87 Duty to Provide Information [326 IAC 2-8-4(5)(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~ 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]~~

---

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

~~B.408~~ **Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]**

---

- (a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance~~ **(a) A certification submitted shall contain required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:**
- (1) it contains a certification by an "authorized individual of truth, accuracy," as defined by 326 IAC 2-1.1-1(1), and completeness. This**
- (2) the certification, shall state states 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 Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.**
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).
-

**B.419 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]**

---

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

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

\*\*\*

- (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 ~~notification which shall be submitted~~ **submittal** by the Permittee does require ~~the~~ a certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by ~~the~~ an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.4210 Compliance Order Issuance [326 IAC 2-8-5(b)]**

---

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

**B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] ~~[326 IAC 2-8-5(a)(1)]~~**

---

- ~~(a)~~ **A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:**

- (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.**

**The Permittee shall implement the PMPs.**

- (b) If required by specific condition(s) in Section D of this permit ~~where no PMP was previously required~~, the Permittee shall ~~prepare and maintain and implement~~ Preventive Maintenance Plans (PMPs), **no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later**, 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)~~ **If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:**

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

**The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

~~The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions ~~or potential to emit~~. ~~The PMP does~~ **PMPs and their submittal do** not require ~~thea~~ **a** certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by ~~thean~~ **an** "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

#### **B.4312 Emergency Provisions [326 IAC 2-8-12]**

- 
- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
  - (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that ~~describes~~ **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 IDEM~~ **or** 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 ~~No.:~~**Number:** 1-800-451-6027 (ask for Office of Air Quality, Compliance ~~Section~~**and Enforcement Branch**), or,

Telephone ~~No.:~~**Number:** 317-233-0178 (ask for **Office of Air Quality, Compliance ~~Section~~and Enforcement Branch**)

Facsimile ~~No.:~~**Number:** 317-233-6865

~~Telephone No.: 219-881-6712 (IDEM Northwest Regional Office)~~

~~Facsimile No.: 219-881-6745 (IDEM Northwest Regional Office)~~ **phone: (219) 464-0233; fax: (219) 464-0553.**

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require ~~thea~~ certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by ~~thean~~ "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- ~~(e) — IDEM, OAQ,~~ **(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.**
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.



\*\*\*

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

**~~B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~**

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

~~Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
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 need to be included in this report.~~

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

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

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

- (a) **All terms and conditions of permits established prior to F127-33126-00046 and issued pursuant to permitting programs approved into the state implementation plan have been either:**

- (1) **incorporated as originally stated,**
- (2) **revised, or**
- (3) **deleted.**

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

**B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]**

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

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]**

- (a) **This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP**~~Federally Enforceable State~~ **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 2-8-4(5)(C)] The notification by the Permittee does require thea**

certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by ~~the~~an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

\*\*\*

- (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 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by 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 2-8-8(c)]

**B.16 Permit Renewal [326 IAC 2-8-3(h)]**

---

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require ~~the~~a certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by ~~the~~an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

~~(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]~~

- ~~(4)~~**(b)** A timely renewal application is one that is:

- ~~(A1)~~ Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- ~~(B2)~~ If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

~~(2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.~~

~~(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]~~

- (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 2-8 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, **pursuant to 326 IAC 2-8-3(g)**, in writing by IDEM, OAQ; any additional information identified as **being** needed to process the application.

**B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]**

---

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

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

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

Any such application ~~shall be certified~~ **does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1)** by the an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (d) ~~No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

**B.18 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]**

---

- (a) The Permittee may make any change or changes at ~~this~~ **the** source that are described in 326 IAC 2-8-15(b) ~~through (d), and (c)~~ 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 approval required by 326 IAC 2-8-11.1 has been obtained;
- (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);
- (4) The Permittee notifies the:

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

and

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

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

- (5) The Permittee maintains records on-site ~~which document~~, on a rolling five (5) year basis, **which document** all such changes and ~~emissions trading~~ **emission trades** that are subject to 326 IAC 2-8-15(b) ~~through (d)(1)~~ and ~~makes (c)~~. **The Permittee shall make** such records available, upon reasonable request, ~~to for~~ public review.

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

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

**B.19 ~~Permit Revision~~Source Modification Requirement [326 IAC 2-8-11.1]**

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2-~~and~~ 326 IAC 2-8-11.4.

**B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [~~IC 13-30-3-1~~] [IC 13-17-3-2] [IC 13-30-3-1]**

\*\*\*

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

\*\*\*

**B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
~~Permits Branch~~ **Permit Administration and Support Section**, Office of Air Quality

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

~~The~~**Any such** application ~~which shall be submitted by the Permittee~~ does require thea certification ~~by the~~**that meets the requirements of 326 IAC 2-8-5(a)(1) by an** "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]**

- (a) The Permittee shall pay annual fees to IDEM, OAQ, ~~within~~ **no later than** thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action; or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, ~~IM & Billing~~, **Licensing, and Training** Section), to determine the appropriate permit fee.

**B.23 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]**

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

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

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

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour ~~[40 CFR 52 Subpart P]~~ [326 IAC 6-3-2]

- (a) ~~Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.~~

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and

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

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

---

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

### (a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. ~~This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);;~~
- (2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period;
- (3) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (4) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

### (b) Pursuant to 326 IAC 2-3 ~~(Emission Offset)~~ **(PSD)**, potential to emit particulate matter (PM) from the entire source shall be limited to less than ~~one hundred (100)~~ **one-hundred fifty (250)** tons per twelve (12) consecutive month period.

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

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

## C.3 Opacity [326 IAC 5-1]

---

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

\*\*\*

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

---

The Permittee shall not operate an incinerator ~~or incinerate any waste or refuse~~ except as provided in 326 IAC 4-2 ~~and/or in 326 IAC 9-1-2.~~ **this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.**

**C.6 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.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]~~

---

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

~~C.8~~

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

---

\*\*\*

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
~~Asbestos Section~~**Compliance and Enforcement Branch**, Office of Air Quality  
100 North Senate Avenue  
MC 61-5253 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~~**that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual"** as defined by 326 IAC 2-1.1-1(1).

\*\*\*

- (g) ~~Indiana Accredited~~**Licensed** Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana ~~Accredited~~**Licensed** Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

**C.98 Performance Testing [326 IAC 3-6]**

---

- (a) ~~All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

- (a) **For performance testing required by this permit**, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by the an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 a certification **that meets the requirements of 326 IAC 2-8-5(a)(1)** by the an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ 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.409** Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

**C.4110** Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

~~Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.~~

- (a) **For new units:**  
Unless otherwise specified in the approval for the new ~~emission~~**emission unit(s)**, compliance monitoring for new emission units ~~or emission units added through a permit revision shall be implemented when operation begins~~ **and after the date of initial start-up.**

~~C.12~~ ~~Monitoring Methods~~ [326 IAC 3] [40 CFR 60] [40 CFR 63]

~~Any~~ (b) **For existing units:**

**Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring or testing equipment required by Section D of this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:**

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



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

**The notification which shall be 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 submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as specified in defined by 326 IAC 2-1.1-1(1).**

---

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

---

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

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

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

---

**C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

---

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

---

**C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

---

**Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:**

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.**
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:**
- (1) initial inspection and evaluation;**
  - (2) recording that operations returned or are returning 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 normal or usual manner of operation.**
- (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 record the reasonable response steps taken.

---

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test ~~[326 IAC 2-8-4]~~  
~~[326 IAC 2-8-4]~~ [326 IAC 2-8-5]

---

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall ~~take appropriate response actions. The Permittee shall submit a description of these its 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.~~ **no later than seventy-five (75) days after the date 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 twenty (20) days of receipt of the original test results.~~ **no later than one hundred eighty (180) days after the date of the test results.** Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (20) days~~ **eighty (80) 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~~ a certification **that meets the requirements of 326 IAC 2-8-5(a)(1) by the** an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

---

~~C.15 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]~~

---

- (a) ~~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 defined in 326 IAC 2-6-2(8). 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 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251~~

~~The emission statement does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (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.4615 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

---

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. **Support information includes the following, where applicable:**

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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, **for** all record keeping requirements not already legally required, ~~the Permittee shall be implemented upon~~ **allowed up to ninety (90) days from the date of permit issuance of this permit or the date of initial start-up, whichever is later, to begin such record keeping.**

**C.47-16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

---

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. **Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph.** Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. ~~except that 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.~~ This report shall be submitted ~~within~~ **not later than** thirty (30) days ~~after~~ the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include ~~the~~ **a** certification **that meets the requirements of 326 IAC 2-8-5(a)(1) by the an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.**

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

- (b) The address for report submittal is:**

Indiana Department of Environmental Management

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) **Reporting periods are based on calendar years**, unless otherwise specified in this permit; ~~all reports required in Section D. For the purpose of this permit shall be submitted within thirty (30) days of the end of~~ **"calendar year" means the reporting twelve (12) month period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2- from January 1-1-1(1): to December 31 inclusive.**

**(e) ~~Reporting periods are based on calendar years.~~**

Stratospheric Ozone Protection

**C.487 Compliance with 40 CFR 82 and 326 IAC 22-1**

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with ~~the~~ **applicable** 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**

**OPERATION CONDITIONS**

**~~FACILITY~~EMISSIONS UNIT**

**FacilityEmissions Unit Description [326 IAC 2-8-4(10)]:**

Loading Rack and Storage Tanks

\*\*\*

- (c) One (1) above ground organic liquid storage tank, identified as ST-4, with a maximum capacity of 1,008,000 gallons, exhausting at one (1) emission point (S/V ID: V4), and constructed in ~~1978~~ **1981**.

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

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

D.1.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1] [326 IAC 2-8-4(1)] [326 IAC 8-4-6] ~~[326 IAC 8-6]~~ [326 IAC 8-7] ~~[326 IAC 2-3]~~ **[326 IAC 2-3] [40 CFR 63]**

- 
- (a) The total annual throughput of ~~Styrene~~ **volatile organic liquids** through the storage tanks ~~No. ST-3, ST-4, and ST-5 shall be limited to 73,000,000 gallons~~ **such that the total VOC emissions from storage tanks ST-3, ST-4, and ST-5 shall be less than seventy-four (74) tons**, per twelve (12) consecutive month period with compliance determined at the end of each month. ~~This is equivalent to Styrene (VOC, single HAP, and total HAPs) emissions of 3.02 tons per year.~~
- (b) The total annual throughput of ~~Styrene~~ **volatile organic liquids** through the rail and semi-tank loading operation (LR1) from storage tanks ST-3, ST-4, and ST-5 shall be **limited such that the total VOC emissions shall be less than twenty-four (24) tons, per twelve (12) consecutive month period with compliance determined at the end of each month.**
- (c) **The total throughput of volatile organic liquids through storage tanks ST-3, ST-4, and ST-5, including emissions from the storage tanks and associated losses from the rail and semi-tanker loading rack (LR1) shall be limited to 73,000,000 gallons), shall be limited such that the HAP emissions shall be less than nine (9) tons for a single HAP, and twenty-four (24) tons for total HAPs**, per twelve (12) consecutive month period with compliance determined at the end of each month. ~~This is equivalent to Styrene (VOC, single HAP, and total HAPs) emissions of 6.94 tons per year.~~

Compliance with ~~above conditions~~ **these limits, in conjunction with the PTE of VOC and HAPs from all other emissions units**, shall limit the ~~source-wide~~ VOC, single HAP, and total HAPs emissions **from the entire source** to less than ~~25, one-hundred (100), ten (10 and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month), and twenty-five (25) tons, respectively, per twelve (12) consecutive month period.~~ Therefore, the requirements of 326 IAC 2-7 (Part 70) ~~do not apply. These limits will also render,~~ 326 IAC 2-3 (Emission Offset), ~~326 IAC 8-4-6, 326 IAC 8-6, and 326 IAC 8-76~~ **(Organic Solvent Emission Limitations) are rendered** not applicable. Also, the requirements of 326 IAC 2-4.1 (Major Source of Hazardous Air Pollutants) are rendered not applicable, and the entire source is rendered an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

**Compliance with these limits shall limit the VOC emissions from the rail and semi-tanker loading rack (LR1) to less than twenty four (24) tons per twelve (12) consecutive month period. This LR1 limit, in conjunction with the PTE of the natural gas fluid heater and boiler and the asphalt loading, shall limit the applicable facilities to less than 25 tons combined VOC per twelve (12) consecutive month period. Therefore 326 IAC 8-7 is rendered not applicable.**

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-9-1]

---

Pursuant to 326 IAC 8-9-1 (Volatile Organic Liquid Storage Vessels), any change or modification, for the storage tanks {ST-3, ST-4, and ST-5}, that would lead to an increase in true vapor pressure of the volatile organic liquid, as stored, to equal to or greater than 0.75 psia at the temperature stored, shall obtain approval from the Office of Air Quality (OAQ), as required by 326 IAC 8-9-1, before such change can occur.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

---

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

## Compliance Determination Requirements

~~There are no specific Compliance Determination Requirements applicable to these~~

### D.1.4 VOC and HAP

- (a) **Compliance with the VOC emission units limitations in Condition D.1.1(a) shall be determined as follows:**

$$\text{VOC}_{(\text{TONS/MONTH})} = \text{Tanks}_{\text{Loss}(\text{LBS/MONTH})} \times 1/2000_{(\text{LBS/TON})}$$

$\text{Tanks}_{\text{Loss}}$  VOC emissions from tank storage and filling of tanks ST-3, ST-4, and ST-5 shall be calculated using USEPA's TANKS program (version 4.0 or its updates).

- (b) **Compliance with the VOC emission limitations in Condition D.1.1(b) shall be determined as follows:**

$$\text{VOC}_{(\text{TONS/MONTH})} = L_{\text{Loss}(\text{LBS/MONTH})} \times 1/2000_{(\text{LBS/TON})}$$

Where:  $L_{\text{LOSS}} = \sum_i ((12.46 \times (S_i \times P_i \times M_i) \div T_i) \times \text{Loaded Liquid}_i \text{ 1,000 gal})$   
 (eq.1)

- $S_i$  = a saturation factor for loaded liquid  $i$  (see Table 5.2-1, AP-42 Section 5.2)  
 $P_i$  = true vapor pressure of liquid  $i$ , pounds per square inch absolute (psia)  
 $M_i$  = molecular weight of vapors of  $i$ , pounds per pound-mole (lb/lb-mole)  
 $T_i$  = temperature of bulk liquid  $i$ , °R (°F + 460)

- (c) **Compliance with the HAP emission limitations in Condition D.1.1(c) shall be determined as follows:**

$$\text{HAP}_{(\text{TONS/MONTH})} = [L_{\text{Loss}(\text{LBS/MONTH})} + \text{Tanks}_{\text{Loss}(\text{LBS/MONTH})}] \times 1/2000_{(\text{LBS/TON})}$$

Where  $\text{Tanks}_{\text{Loss}}$  for HAP is calculated using USEPA's TANKS program (version 4.0 or its updates) and  $L_{\text{LOSS}}$  for the HAP is calculated using the equation 1 in section (b) above.

- (d) **For liquid mixtures that only contain a fraction of HAP,  $P_i$  for the HAP for equation 1 can be calculated from Raoult's law:**

$$P_i = x_i \times P_{\text{tot}}$$

Where:  $x_i$  = mole fraction of HAP of the mixture,

$P_{\text{tot}}$  = total vapor pressure of the mixture

Compliance Monitoring Requirements ~~[326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]~~

There are no specific compliance Monitoring Requirements applicable to these emission units.

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

~~D.1.4 Record Keeping Requirements~~

**D.1.5 Record Keeping Requirements**

- (a) To document compliance with Condition D.1.1 the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC and HAP emission limits established in Condition D.1.1.
- (1) The amount of ~~total Styrene~~ **each type of volatile organic liquid** throughput per month for storage tanks (ST-3, ST-4, and ST-5). Records shall include those documents as necessary to verify the type and amount of throughput. Examples may include, but are not limited to, shipping documents, bills of loading, purchase orders, pipeline schedules, throughput summaries, Material Safety Data Sheets, and/or other records that document volumes of the specific regulated material transferred.
- (2) Total amount of ~~Styrene~~ **each type of volatile organic liquid** throughput for each 12 consecutive month period for storage tanks (ST-3, ST-4, and ST-5).
- (b) Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), storage tanks identified as ST-3, ST-4, and ST-5 are subject to the following record keeping requirements.
- \*\*\*
- ~~(c) To document compliance with Condition D.1.4, the Permittee shall maintain records of daily visible check for liquid leaks for the storage tanks ST-3, ST-4, and ST-5 and loading rack LR1.~~
- ~~(d)~~ (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**D.1.56 Reporting Requirements**

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**SECTION D.2 FACILITY EMISSION UNIT OPERATION CONDITIONS**

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

Insignificant Activities:

Natural gas-fired combustion sources with heat input equal or less than ten (10) mmBtu/hr.

One (1) natural gas fired thermal fluid heater rated at maximum heat capacity of 9.0 MMBtu/hr (constructed in 1998).

~~(2)~~ One (1) natural gas fired boiler, identified as EU-B1, rated at maximum heat capacity of 7.5 MMBtu/hr (constructed in 1964).

\*\*\*

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

**D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-3-2]**

Pursuant to 326 IAC 6-2-3-2(a) (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from Boiler EU-B1, which was existing and in operation on or before June 8, 1972, shall be limited to **3.470.6** pounds of particulate matter per million British thermal units heat input.

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

**D.2.2 Record Keeping Requirements [326 IAC 8-9-6]**

\*\*\*

~~Page intentionally left blank.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
**COMPLIANCE AND ENFORCEMENT BRANCH**

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

**CERTIFICATION**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, IN 46368  
~~Mailing Address: P. O. Box 565, Hammond, IN 46325~~  
FESOP No.: F127-17655-00046

\*\*\*

~~Page intentionally left blank.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
~~P.O. Box 6015~~  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

**EMERGENCY OCCURRENCE REPORT**



Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, IN 46368  
Mailing Address: P. O. Box 565, Hammond, IN 46325  
FESOP No.: F127-17655-00046

\*\*\*

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, Indiana 46368  
FESOP Permit No.: F127-33126-00046

- ☐ Natural Gas Only  
☐ Alternate Fuel burned

From: \_\_\_\_\_ To: \_\_\_\_\_

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

Signature:

Printed Name:

Title/Position:

Date:

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

**~~FESOP Quarterly Report~~**

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, IN 46368

Mailing Address: ~~\_\_\_\_\_~~ P. O. Box 565, Hammond, IN 46325  
FESOP No.: ~~\_\_\_\_\_~~ F127-17655-00046  
Facility: ~~\_\_\_\_\_~~ Storage Tanks ST-3, ST-4, and ST-5  
Parameter: ~~\_\_\_\_\_~~ VOC/HAP  
Limit: ~~\_\_\_\_\_~~ The total annual throughput of Styrene through the storage tanks No. ST-3, ST-4 and ST-5 shall be limited to 73,000,000 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to Styrene (VOC, single HAP, and total HAPs) emissions of 3.02 tons per year.

~~\_\_\_\_\_~~ YEAR:

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

☐ ~~No deviation occurred in this quarter.~~

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

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

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

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

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

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

~~Attach a signed certification to complete this report.~~

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

**Source Name:** Tanco Terminals, Inc.  
**Source Address:** 400 East Boundary Road, Portage, Indiana 46368  
**FESOP Permit No.:** F127-33126-00046  
**Facility:** Storage Tanks ST-3, ST-4, and ST-5  
**Parameter:** Highest HAP Emissions  
**Limit:** The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the HAP emissions shall each be less than 9 tons for a single HAP, and 24 tons for total HAPs, per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

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

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

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

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

**Source Name:** Tanco Terminals, Inc.  
**Source Address:** 400 East Boundary Road, Portage, Indiana 46368  
**FESOP Permit No.:** F127-33126-00046  
**Facility:** Storage Tanks ST-3, ST-4, and ST-5  
**Parameter:** Total HAP Emissions  
**Limit:** The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the HAP emissions shall each be less than 9 tons for a single HAP, and 24 tons for total HAPs, per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

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

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

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

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

**Source Name:** Tanco Terminals, Inc.  
**Source Address:** 400 East Boundary Road, Portage, Indiana 46368

**FESOP Permit No.:** F127-33126-00046

**Facility:** Storage Tanks ST-3, ST-4, and ST-5

**Parameter:** Total VOC Emissions

**Limit:** The total annual throughput of volatile organic liquids through the storage tanks No. ST-3, ST-4 and ST-5 and the rail and semi-tanker loading rack (LR1) shall be limited such that the total VOC emissions shall be less than 24 tons, per twelve (12) consecutive month period with compliance determined at the end of each month.

**YEAR:** \_\_\_\_\_

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

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

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

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

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

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

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

QUARTERLY DEVIATION AND COMPLIANCE  
MONITORING REPORT

Source Name: Tanco Terminals, Inc.  
Source Address: 400 East Boundary Road, Portage, IN 46368  
Mailing Address: P. O. Box 565, Hammond, IN 46325  
FESOP No.: F127-17655-00046

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

Page 1 of 2

**This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting.** Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. ~~Deviations that are~~ **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~~ **does** not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

\*\*\*

~~Attach a signed certification to complete this report.~~

#### Recommendation

The staff recommends to the Commissioner that the FESOP Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on April 26, 2013.

#### Conclusion

The operation of this stationary liquid organic compound storage terminal shall be subject to the conditions of the attached FESOP Renewal No. F127-33126-00046.

#### IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Randy Wingerter at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-4794 or toll free at 1-800-451-6027 extension 44794.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

**Appendix A: Emission Calculations  
PTE Summary**

Page 1 of 6 TSD App A

**Company Name:** Tanco Terminals, Inc.  
**Address City IN Zip:** 400 East Boundry Road, Portage, IN 46368  
**Permit No./Plt ID:** F127-33126-00046  
**Reviewer:** Randy Wingerter  
**Date:** March, 2014

Uncontrolled Potential to Emit (tons/yr)											
Emission Unit	PM	PM10	PM2.5 *	SO <sub>2</sub>	NOx	VOC	CO	GHGs (CO2e) 11/29/2013	GHGs (CO2e) 10/30/2009	Individual HAP	Total HAPs
Asphalt Tanks and Truck Loading	0.05					0.09	8.86E-03			1.38E-03	
Nat Gas Fluid Heater and Boiler (Combustion)	0.13	0.54	0.04	7.09	0.39	0.00	5.95	8552.88	8554.10	0.13	0.13
Leaks from valves, flanges and pump seals						0.14				0.14	
Tanks T003, T004, T005, and associated loading**						>100				>10	>25
<b>Total</b>	<b>0.18</b>	<b>0.54</b>	<b>0.04</b>	<b>7.09</b>	<b>0.39</b>	<b>&gt;100</b>	<b>5.96</b>	<b>8,553</b>	<b>8,554</b>	<b>&gt;10</b>	<b>&gt;25</b>

\* PM2.5 listed is direct PM2.5

Potential to Emit after Issuance (tons/yr)											
Emission Unit	PM	PM10	PM2.5 *	SO <sub>2</sub>	NOx	VOC	CO	GHGs (CO2e) 11/29/2013	GHGs (CO2e) 10/30/2009	Individual HAP	Total HAPs
Asphalt Tanks and Truck Loading	0.05					0.09	8.86E-03			1.38E-03	
Nat Gas Fluid Heater and Boiler (Combustion)	0.13	0.54	0.04	7.09	0.39	0.00	5.95	8552.88	8554.10	0.13	0.13
Leaks from valves, flanges and pump seals						0.14					0.14
Permitted for Tanks T003, T004, and T005						74.00				9.00	24.00
Permitted for associated loading from Tanks T003, T004, and T005						24.00					
<b>Total</b>	<b>0.18</b>	<b>0.54</b>	<b>0.04</b>	<b>7.09</b>	<b>0.39</b>	<b>98.23</b>	<b>5.96</b>	<b>8,553</b>	<b>8,554</b>	<b>9.14</b>	<b>24.27</b>

\* PM2.5 listed is direct PM2.5

Note: The shaded cells indicate where limits are included.

\*\* The proposed operating scenario allows for unspecified organic liquids in Tanks T003, T004, and T005 for operational flexibility.

**Appendix A: Emission Calculations  
Asphalt Tank and Truck Loading Losses  
VOCs, PM, and CO**

Page 2 of 6 TSD App A

**Company Name:** Tanco Terminals, Inc.  
**Address City IN Zip:** 400 East Boundry Road, Portage, IN 46368  
**Permit Number:** 127-33126-00046  
**Reviewer:** Randy Wingerter  
**Date:** October, 2013

**Vapor Pressure of Asphalt using Antoine's Equation (AP-42 Section 11.1.2.5)**

Equation: $\log P = (-0.05223 \cdot A)/T + B$			
Asphalt Temperature, T =	315.0	Fahrenheit	$\log P =$ -0.976
=	157.2	Celcius	Asphalt Vapor Pressure, P = 0.106 mmHg
=	394.4	Kelvin	= 1.39E-04 atm
A =	75350.06		= 2.05E-03 psia
B =	9.00346	Average Vapor Molecular Weight, M =	105 lb/lbmol (AP-42 Section 11.1)

**Volatile Organic Compound (VOC) emissions from withdrawal and standing losses using US EPA TANKS Version 4.09 program**

Note: Per US EPA TANKS Version 4.09d, the annual emission losses for asphalt tanks ST001, ST002, ST006, ST007, and ST008

= 0.00 tons/year

**VOC Emissions from truck loading losses (AP-42 Section 5.2, Equation 1)**

Equation: Loading Losses (lbs VOC/1000 gallons), $L = 12.46 \cdot S \cdot P \cdot M / T$			
Saturation Factor, S =	1.0		
Asphalt Vapor Pressure, P =	2.05E-03	psia	
Average Vapor Molecular Weight, M =	105	lb/lbmol (AP-42 Section 11.1)	
Asphalt Temperature, T =	775.0	R	
Truck Loading Losses, L =	0.00345	lbs VOC/1000 gallons of asphalt	
Total Throughput =	53,000,000	gallons of asphalt/year	
Truck Loading Losses, L =	183.0	lbs/year VOC	
Truck Loading Losses, L =	0.0915	tons/year VOC	

**Total VOC emissions from withdrawal, standing, and truck loading losses (tons/yr) = 9.1.E-02**

**Particulate Matter and Carbon Monoxide**

AP-42 Table 11.1-14 was used to determine potential emission of organic particulate matter (PM) and carbon monoxide (CO).

The following ratios were generated from silo filling assuming an asphalt temperature of 325 deg F and a volatility factor of -0.5:

<b>Emission Factor (EF) Equations:</b>		Asphalt Temperature =	325.0	F
Total PM = $0.000332 + 0.00105(-V) \cdot e^{((0.0251)(T+460)-20.43)}$		Asphalt Volatility Factor, V =	-0.5	
Organic PM = $0.00105(-V) \cdot e^{((0.0251)(T+460)-20.43)}$		Total PM/TOC =	4.8E-02	ton/ton of TOC
TOC = $0.0504(-V) \cdot e^{((0.0251)(T+460)-20.43)}$		Organic PM/TOC =	2.1E-02	ton/ton of TOC
CO = $0.00488(-V) \cdot e^{((0.0251)(T+460)-20.43)}$		CO/TOC =	0.097	ton/ton of TOC

**ACRONYMS**

TOC = Total Organic Compounds

CO = Carbon Monoxide

PM = Particulate Matter

HAP = Hazardous Air Pollutant

VOC = Volatile Organic Compound

<b>Potential Emissions of Total PM =</b>	<b>4.4E-03 tons/yr*</b>
<b>Potential Emissions of Organic PM =</b>	<b>1.9E-03 tons/yr*</b>
<b>Potential Emissions of CO =</b>	<b>8.9E-03 tons/yr*</b>

\*Assuming TOC = VOCs from withdrawal, standing, & truck loading losses



**Appendix A: Emission Calculations**  
**Asphalt Storage Tanks (T001, 2, 6, 7, 8) and Asphalt Truck Loading Losses**  
**Hazardous Air Pollutants (HAPs)**

Page 3 of 6 TSD App A

**Company Name:** Tanco Terminals, Inc.  
**Address City IN Zip:** 400 East Boundry Road, Portage, IN 46368  
**Permit Number:** 127-33126-00046  
**Reviewer:** Randy Wingerter  
**Date:** October, 2013

**Organic Particulate-Based and Organic Volatile-Based Compounds (AP-42 Table 11.1-15 and Table 11.1-16)**

Pollutant	CASRN	Category	HAP Type	Source	Asphalt Storage Tank (% by weight of Total Organic PM)	Potential Emissions (tons/yr)
Acenaphthene	83-32-9	PM/HAP	PAH/POM	Organic PM	0.47%	8.96E-06
Acenaphthylene	208-96-8	PM/HAP	PAH/POM	Organic PM	0.014%	2.67E-07
Anthracene	120-12-7	PM/HAP	PAH/POM	Organic PM	0.13%	2.48E-06
Benzo(a)anthracene	56-55-3	PM/HAP	PAH/POM	Organic PM	0.056%	1.07E-06
Benzo(e)pyrene	192-97-2	PM/HAP	PAH/POM	Organic PM	0.0095%	1.81E-07
Chrysene	218-01-9	PM/HAP	PAH/POM	Organic PM	0.21%	4.00E-06
Fluoranthene	206-44-0	PM/HAP	PAH/POM	Organic PM	0.15%	2.86E-06
Fluorene	86-73-7	PM/HAP	PAH/POM	Organic PM	1.01%	1.92E-05
2-Methylnaphthalene	91-57-6	PM/HAP	PAH/POM	Organic PM	5.27%	1.00E-04
Naphthalene	91-20-3	PM/HAP	PAH/POM	Organic PM	1.82%	3.47E-05
Perylene	198-55-0	PM/HAP	PAH/POM	Organic PM	0.03%	5.72E-07
Phenanthrene	85-01-8	PM/HAP	PAH/POM	Organic PM	1.80%	3.43E-05
Pyrene	129-00-0	PM/HAP	PAH/POM	Organic PM	0.44%	8.39E-06
VOC	---	VOC	---	TOC	100%	<b>9.1E-02</b>
Methane	74-82-8	non-VOC/non-HAP	---	TOC	0.26%	2.38E-04
Acetone	67-64-1	non-VOC/non-HAP	---	TOC	0.055%	5.03E-05
Ethylene	74-85-1	non-VOC/non-HAP	---	TOC	1.10%	<b>1.01E-03</b>
Benzene	71-43-2	VOC/HAP	---	TOC	0.032%	2.93E-05
Bromomethane	74-83-9	VOC/HAP	---	TOC	0.0049%	4.48E-06
2-Butanone	78-93-3	VOC/HAP	---	TOC	0.039%	3.57E-05
Carbon Disulfide	75-15-0	VOC/HAP	---	TOC	0.016%	1.46E-05
Chloroethane	75-00-3	VOC/HAP	---	TOC	0.004%	3.66E-06
Chloromethane	74-87-3	VOC/HAP	---	TOC	0.023%	2.10E-05
Ethylbenzene	100-41-4	VOC/HAP	---	TOC	0.038%	3.48E-05
Formaldehyde	50-00-0	VOC/HAP	---	TOC	0.69%	6.31E-04
n-Hexane	100-54-3	VOC/HAP	---	TOC	0.10%	9.15E-05
Isooctane	540-84-1	VOC/HAP	---	TOC	0.00031%	2.84E-07
Methylene Chloride	75-09-2	non-VOC/HAP	---	TOC	0.00027%	2.47E-07
Styrene	100-42-5	VOC/HAP	---	TOC	0.0054%	4.94E-06
Toluene	100-88-3	VOC/HAP	---	TOC	0.062%	5.67E-05
m-/p-Xylene	1330-20-7	VOC/HAP	---	TOC	0.20%	1.83E-04
o-Xylene	95-47-6	VOC/HAP	---	TOC	0.057%	5.21E-05

**ACRONYMS**

PM = Particulate Matter  
HAP = Hazardous Air Pollutant  
PAH = Polyaromatic Hydrocarbon  
POM = Polycyclic Organic Matter  
VOC = Volatile Organic Compound  
TOC = Total Organic Compounds

<b>Total Potential Emissions of Organic PM HAPs (tons/yr) =</b>	<b>2.17E-04</b>
<b>Total Potential Emissions of Volatile HAPs (tons/yr) =</b>	<b>1.16E-03</b>
<b>Total Potential Emissions of HAPs (tons/yr) =</b>	<b>1.38E-03</b>

Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100

Company Name: Tanco Terminals, Inc.  
Address City IN Zip: 400 East Boundry Road, Portage, IN 46368  
Permit Number: 127-33126-00046  
Reviewer: Randy Wingerter  
Date: October, 2013

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
9 7.5 16.5	Fluid Heater Boiler	
	1020	141.7

Pollutant							
Emission Factor in lb/MMCF	PM* 1.9	PM10* 7.6	direct PM2.5* 7.6	SO2 0.6	NOx 100 **see below	VOC 5.5	CO 84
Potential Emission in tons/yr	0.1	0.5	0.5	0.0	7.1	0.4	6.0

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.  
PM2.5 emission factor is filterable and condensable PM2.5 combined.  
\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.  
MMBtu = 1,000,000 Btu  
MMCF = 1,000,000 Cubic Feet of Gas  
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03  
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu  
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03	Total - Organics
Potential Emission in tons/yr	1.488E-04	8.502E-05	5.314E-03	1.275E-01	2.409E-04	1.333E-01

HAPs - Metals						
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	Total - Metals
Potential Emission in tons/yr	3.543E-05	7.794E-05	9.919E-05	2.692E-05	1.488E-04	3.883E-04
						Total HAPs 1.337E-01
						Worst HAP 1.275E-01

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.  
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Greenhouse Gas Calculations

Greenhouse Gas			
Emission Factor in lb/MMcf	CO2 120,000	CH4 2.3	N2O 2.2
Potential Emission in tons/yr	8,502	0.2	0.2
Summed Potential Emissions in tons/yr	8,503		
CO2e Total in tons/yr based on 11/29/2013 federal GWPs	8,553		
CO2e Total in tons/yr based on 10/30/2009 federal GWPs	8,554		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.  
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.  
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton  
CO2e (tons/yr) based on 11/29/2013 federal GWPs= CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O Potential Emission ton/yr x N2O GWP (298).  
CO2e (tons/yr) based on 10/30/2009 federal GWPs = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

**Appendix A: Emission Calculations  
VOC and HAP Emissions  
From Equipment Leaks**

**Company Name:** Tanco Terminals, Inc.  
**Address City IN Zip:** 400 East Boundry Road, Portage, IN 46368  
**Permit Number:** 127-33126-00046  
**Reviewer:** Randy Wingerter  
**Date:** October, 2013

Equipment Component Source	Product	Component Count**	Emission Factor*** (kg/hr/source)	Fugitive VOC Emissions (tons/yr)
Valves	Light Liquid	234	4.30E-05	0.10
Pumps	Light Liquid	15	6.50E-05	0.01
Connectors	All	432	8.00E-06	0.03
<b>Total</b>				<b>0.14</b>

\*\* Component count for entire source estimated by the source.

\*\*\* Emission factors are from Protocol for Equipment Leak Emission Estimates, EPA-453/R-95-017, Table 2-3.

**Methodology**

Fugitive VOC Emissions (tons/yr) = Component Count x Emission Factor (kg/hr/source)\*2.20462 lb/kg x 8760 hr/yr x 1 ton/2000 lbs

Tanco Terminals  
Valve and Flange Emissions

**Appendix A: Emission Calculations**  
**VOC and HAP Emissions**  
**From Equipment Leaks**

Page 6 of 6 TSD App A

**Company Name:** Tanco Terminals, Inc.  
**Address City IN Zip:** 400 East Boundry Road, Portage, IN 46368  
**Permit Number:** 127-33126-00046  
**Reviewer:** Randy Wingerter  
**Date:** December, 2013

Stream	Valves	Flanges
Blender	30	42

Stream	Valves	Flanges
TK 1	10	16
TK 2	11	20
TK 3	23	48
TK 4	15	20
TK 5	19	45
TK 6	9	19
TK 7	4	8
TK 8	13	18

Stream	Valves	Flanges
Load. Rack	41	88

Stream	Valves	Flanges
Railcar	28	55

Stream	Valves	Flanges
Boiler Hse	12	29

Stream	Valves	Flanges
Dock	19	24

	Valves	Flanges
<b>Total</b>	<b>234</b>	<b>432</b>



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

### SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Duane Pecci  
Tanco Terminals, Inc.  
3200 S. Sheffield Avenue  
Hammond, Indiana 46327

DATE: May 29, 2014

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

SUBJECT: Final Decision  
FESOP – Renewal  
127-33126-00046

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 6/13/2013



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

May 29, 2014

TO: Hammond Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**


**Applicant Name: Tanco Terminals, Inc.**  
**Permit Number: 127-33126-00046**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library.dot 6/13/2013

# Mail Code 61-53

IDEM Staff	AWELLS 5/29/2014 Tanco Terminals Incorporated 127-33126-00046 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Duane R. Pecci Tanco Terminals Incorporated 3200 S Sheffield Ave Hammond IN 46327 (Source CAATS) confirmed delivery									
2		Porter County Board of Commissioners 155 Indiana Ave, Ste 205 Valparaiso IN 46383 (Local Official)									
3		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 (Health Department)									
4		Shawn Sobocinski 3229 E. Atlanta Court Portage IN 46368 (Affected Party)									
5		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 (Affected Party)									
6		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 (Affected Party)									
7		Mark Coleman 107 Diana Road Portage IN 46368 (Affected Party)									
8		Mr. Chris Hernandez Pipefitters Association, Local Union 597 8762 Louisiana St., Suite G Merrillville IN 46410 (Affected Party)									
9		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)									
10		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)									
11		Portage City Council and Mayors Office 6070 Central Ave Portage IN 46368 (Local Official)									
12		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)									
13		Matt Mikus 1710 Vale Park Rd Apt 302 Valparaiso IN 46383 (Affected Party)									
14		Hammond Public Library 564 State Street Hammond IN 46320 (Library)									
15											

Total number of pieces Listed by Sender  <b>13</b>	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
--	--	--	--