DRAFT/PROPOSED CAAPP PERMIT
March 27, 2012

*Attention:*

Marathon Pipe Line LLC
Attn: Gary R. Wilson
539 South Main Street
Findlay, Ohio 45840

State of Illinois

# CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

*Source:*

Marathon Pipe Line Company - Martinsville Station
Old Route 40
Martinsville, Illinois 62442

I.D. No.: 023812AAB
Permit No.: 95070087

*Permitting Authority:*

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
217/785-1705

# CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

| | |
|---|---|
| Type of Application: | Renewal |
| Purpose of Application: | Renew Existing CAAPP Permit for 5 Years |
| ID No.: | 023812AAB |
| Permit No.: | 95070087 |
| Statement of Basis No.: | 95070087-1203 |
| Date Application Received: | April 30, 2001 |
| Date Issued: | TBD |
| Expiration Date: | TBD |
| Renewal Submittal Date: | 9 Months Prior to TBD |
| Source Name: | Marathon Pipe Line Company - Martinsville Station |
| Address: | Old Route 40 |
| City: | Martinsville |
| County: | Clark |
| ZIP Code: | 62442 |

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein. For further information on the source see Section 1 and for further discussion of the effectiveness of this permit see Condition 2.3(g).

If you have any questions concerning this permit, please contact Sunil Suthar at 217/785-1705

Edwin C. Bakowski, P.E.
Manager, Permit Section
Division of Air Pollution Control

ECB:MTR:SS:psj

cc: IEPA, Permit Section
IEPA, FOS, Region 3

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# Section 1 – Source Information

## 1. Addresses

**Source**

Marathon Pipe Line Company
Martinsville Station
Old Route 40
Martinsville, Illinois 62442

**Owner**

Marathon Pipe Line Company
539 South Main Street
Findlay, Ohio 45840-4940

**Operator**

Marathon Pipe Line Company
Post Office Box F
Martinsville, Illinois 62442-0573

**Permittee**

The Owner or Operator of the source as identified in this table.

## 2. Contacts

**Certified Officials**

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

| | *Name* | *Title* |
|---|---|---|
| *Responsible Official* | Thomas L Shaw | Vice President of Operations |
| *Delegated Authority* | No other individuals have been authorized by the IEPA. | N/A |

**Other Contacts**

| | *Name* | *Phone No.* | *Email* |
|---|---|---|---|
| *Source Contact* | Area Manager | 217/382-2215 | N/A |
| *Technical Contact* | Gary R. Wilson | 419/421-3385 | grwilson@marathonoil.com |
| *Correspondence* | Gary R. Wilson | 419/421-3385 | grwilson@marathonoil.com |
| *Billing* | Gary R. Wilson | 419/421-3385 | grwilson@marathonoil.com |

## 3. Single Source

The source identified in Condition 1.1 above shall be defined to include all the following additional source(s):

| *I.D. No.* | *Permit No.* | *Single Source Name and Address* |
|---|---|---|
| N/A | N/A | N/A |

# Section 2 – General Permit Requirements

## 1. Prohibitions

a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]

b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]

c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]

d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

## 2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Owner or Operator of the CAAPP source may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

a. i. An emergency occurred and the source can identify the cause(s) of the emergency.

ii. The source was at the time being properly operated.

iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.

b. For purposes of Section 39.5(7)(k) of the Act, “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.

c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve the source of any reporting obligations under existing federal or state laws or regulations.

## 3. General Provisions

**a. Duty to Comply**

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

**b. Need to Halt or Reduce Activity is not a Defense**

It shall not be a defense for the source 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. [Section 39.5(7)(o)(ii) of the Act]

**c. Duty to Maintain Equipment**

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

**d. Disposal Operations**

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

**e. Duty to Pay Fees**

i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]

ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]

iii. The check should be payable to “Treasurer, State of Illinois” and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and “CAAPP Operating Permit Fees”. [Section 39.5(18)(e) of the Act]

**f. Obligation to Allow IEPA Surveillance**

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. Sample or monitor any substances or parameters at any location at reasonable times:

A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or

B. As otherwise authorized by the Act.

v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

**g. <u>Effect of Permit</u>**

i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:

A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.

B. The liability of the Owner or Operator of the source for any violation of applicable requirements prior to or at the time of permit issuance.

C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.

D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.

ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

**h. <u>Severability Clause</u>**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

## 4. Testing

a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be

conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the IEPA shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:

i. Testing by Owner or Operator: The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.

ii. Testing by the IEPA: The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

## 5. Recordkeeping

**a. <u>Control Equipment Maintenance Records</u>**

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

**b. <u>Retention of Records</u>**

i. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]

ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

**c. <u>Availability of Records</u>**

i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.

ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of requested material would make this overly burdensome, in which case, the Permittee shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

## 6. Certification

**a. Compliance Certification**

i. Pursuant to Section 39.5(7)(p)(v)(C) of the Act, the source shall submit annual compliance certifications by May 1 unless a different date is specified by an applicable requirement or by a particular permit condition. The annual compliance certifications shall include the following:

A. The identification of each term or condition of this permit that is the basis of the certification.

B. The compliance status.

C. Whether compliance was continuous or intermittent.

D. The method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.

ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 3.

iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports required to be submitted shall include a certification in accordance with Condition 2.6(b).

**b. Certification by a Responsible Official**

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 4 of this permit.

## 7. Permit Shield

a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after _____ (date USEPA notice started), unless this permit has been modified to reflect such new requirements.

b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to

statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

## 8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an “applicable Clean Air Act requirement” or an “applicable requirement” in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.

b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as “TIR”.

   i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant’s request.

c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as “TIN.”

   i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant’s request.

## 9. Reopening and Revising Permit

**a. Permit Actions**

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

**b. Reopening and Revision**

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;

ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;

iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or

iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

**c. Inaccurate Application**

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

**d. Duty to Provide Information**

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA 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 source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

## 10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

## 11. Permit Renewal

a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(l) and (o) of the Act]

b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

## 12. Permanent Shutdown

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

## 13. Startup, Shutdown, and Malfunction

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

# Section 3 – Source Requirements

## 1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Fugitive Particulate Matter**

i. Pursuant to 35 IAC 212.301 and 35 IAC 212.314, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source unless the wind speed is greater than 25 mph.

ii. Compliance Method (Fugitive Particulate Matter)

Upon request by the IEPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particular matter form the source to address compliance with 35 IAC 212.301. For this purpose, daily observations shall be conducted for a week for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the IEPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations, including identity of the observer, the date and time of observations, the location(s) from which observations were made, and duration of any fugitive emissions event(s).

**b. Ozone Depleting Substances**

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.

ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.

iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.

iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.

v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

**c. Asbestos Demolition and Renovation**

i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Owner or Operator must file an original 10-day notice of intent to renovate or demolish pursuant to Condition 3.1(c)(ii) below and 40 CFR 61.145(b), the owner or operator shall pay to the IEPA with the filing of each 10-day notice a fee of $150.

ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).

iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

**d. Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

## 2. Applicable Plans and Programs

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

**a. Fugitive PM Operating Program**

Should this source become subject to 35 IAC 212.302, the Permittee shall prepare and operate under a Fugitive PM Operating Program consistent with 35 IAC 212.310 and submitted to the IEPA for its review. The Fugitive PM Operating Program shall be designed to significantly reduce fugitive particulate matter emissions, pursuant to 35 IAC 212.309(a). Any future Fugitive PM Operating Program made by the Permittee during the permit term is automatically incorporated by reference provided the Fugitive PM Operating Program is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the Fugitive PM Operating Program. In the event that the IEPA notifies the Permittee of a deficiency with any Fugitive PM Operating Program, the Permittee shall be required to revise and resubmit the Fugitive PM Operating Program within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

**b. $PM_{10}$ Contingency Measure Plan**

Should this source become subject to 35 IAC 212.700, then the Permittee shall prepare and operate under a $PM_{10}$ Contingency Measure Plan reflecting the $PM_{10}$ emission reductions as set forth in 35 IAC 212.701 and 212.703. The Permittee shall, within 90 days after the date this source becomes subject to 35 IAC 212.700, submit a request to modify this CAAPP permit in order to include a new, appropriate $PM_{10}$ Contingency Measure Plan.

**c. Episode Action Plan**

i. Pursuant to 35 IAC 244.141, the Permittee shall have on file with the IEPA an Episode Action Plan for reducing the levels of emissions during yellow alerts, red

alerts, and emergencies, consistent with safe operating procedures. The Episode Action Plan shall contain the information specified in 35 IAC 244.144.

ii. The Permittee shall immediately implement the appropriate steps described in the Episode Action Plan should an air pollution alert or emergency be declared, as required by 35 IAC 244.169, or as may otherwise be required under 35 IAC 244, Appendix D.

iii. Pursuant to 35 IAC 244.143(d), if an operational change occurs at the source which invalidates the Episode Action Plan, a revised Episode Action Plan shall be submitted to the IEPA for review within 30 days of the change and is automatically incorporated by reference provided the revision is not expressly disapproved, in writing, by the IEPA within 30 days of receipt of the revision. In the event that the IEPA notifies the Permittee of a deficiency with any revision to the Episode Action Plan, the Permittee shall be required to revise and resubmit the Episode Action Plan within 30 days of receipt of notification to address the deficiency pursuant to Section 39.5(7)(a) of the Act.

iv. The Episode Action Plan, as submitted by the Permittee on September 25, 1996, is incorporated herein by reference. The document constitutes the formal Episode Action Plan required by 35 IAC 244.142, addressing the actions that will be implemented to reduce SO2, PM10, NO2, CO and VOM emissions from various emissions units in the event of a yellow alert, red alert or emergency issued under 35 IAC 244.161 through 244.165.

v. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep a copy of the Episode Action Plan, any amendments or revisions to the Episode Action Plan (as required by Condition 3.2(c)), and the Permittee shall also keep a record of activities completed according to the Episode Action Plan.

**d. Risk Management Plan (RMP)**

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the Permittee shall submit a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or submit a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan, as part of the annual compliance certification required by Condition 2.6(a). This condition is imposed in this permit pursuant to 40 CFR 68.215(a)(2)(i) and (ii).

## 3. Title I Requirements

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

## 4. Synthetic Minor Limits

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows:

I. Requirements in Conditions 3.1(a)(i), 3.1(b), and 3.1(c).

II. Requirements in Condition 3.2(c).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

iv. All deviation reports required in this Permit shall be identified, summarized, and reported as part of the Semiannual Monitoring Report.

**b. Semiannual Reporting**

i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

| Monitoring Period | Report Due Date |
|---|---|
| January through June | July 31 |
| July through December | January 31 |

ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

**c. Annual Emissions Reporting**

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

# Section 4 – Emission Unit Requirements

## 4.1 Volatile Petroleum Liquid External Floating Roof Storage Tanks

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| 2,981,538 Gallon External Floating Roof Tank (Tank 1213) | VOM | 1937 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 4,493,790 Gallon External Floating Roof Tank (Tank 1268) | VOM | 1948 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 4,528,188 Gallon External Floating Roof Tank (Tank 1269) | VOM | 1949 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 4,546,290 Gallon External Floating Roof Tank (Tank 1270) | VOM | 1949 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 4,429,530 Gallon External Floating Roof Tank (Tank 1271) | VOM | 1949 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 6,100,374 Gallon External Floating Roof Tank (Tank 1276) | VOM | 1950 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 6,146,532 Gallon External Floating Roof Tank (Tank 1277) | VOM | 1950 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.1.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.121(b)(1), no person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any stationary tank of more than 151 cubic meters (40,000 gal) capacity unless such tank is designed and equipped with a floating roof which rests on the

surface of the volatile organic liquid and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

B. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 1 (250 gal), unless such tank is equipped with a permanent submerged loading pipe or submerged fill.

ii. Compliance Method (VOM Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect the floating roof and submerged fill pipe.

B. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect seals to ensure there are no holes or tears in the seal fabric

Recordkeeping

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in each tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the vapor pressures of the materials stored in each tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the design information for each tank showing the type of seals present on each tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the throughputs of the material stored in each tank.

G. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the annual inspections.

**b. i. Operational and Production Requirements**

A. Pursuant to 215.123(b), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Pursuant to 215.123(b)(2), there are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof.

II. Pursuant to 215.123(b)(3), all openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

1. The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank.

2. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports.

c. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

B. Pursuant to Section 39.5(7)(a), the Permittee shall not store gasoline in the tanks.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

A. Pursuant to 215.123(b)(4), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless routine inspections of floating roof seals are conducted through roof hatches once every six months.

B. Pursuant to 215.123(b)(5), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect.

C. Pursuant to 35 IAC 215.122(a)(6), the requirements of 35 IAC 215.123(b)(4) and (b)(5) (Conditions 4.1.2(b)(ii)(A) and (B) above) shall not apply to any stationary storage tank in which volatile petroleum liquid is not stored.

Recordkeeping

D. Pursuant to 215.123(b)(6), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a record of the results of each inspection conducted under 215.123(b)(4) or (b)(5) (Condition 4.1.2(b)(ii)(A) and (B) above) is maintained.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in each tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any tank.

## 3. Non-Applicability Determinations

a. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Kb, because the tanks were not construction, reconstruction, or modification was commenced after July 23, 1984.

b. The tanks are not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, 40 CFR Part 63 Subpart BBBBBB, because the tanks do not store gasoline pursuant to 40 CFR 63.11082.

c. The tanks are not subject to 35 IAC 215.124(a), because the tanks are used to store crude oil pursuant to 35 IAC 215.124(b)(4).

d. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use a passive control measure, such as a seal, lid, or roof, that is not considered a control device because it acts to prevent the release of pollutants.

e. Pursuant to 35 IAC 215.122(a)(6), the requirements of 35 IAC 215.123(b) (Condition 4.1.2(b)(i)(A) above) shall not apply to any stationary storage tank in which volatile petroleum liquid is not stored.

f. The tanks are not subject 35 IAC 215.301, No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, since the tanks are equipped with control devices approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere, pursuant to 35 IAC 215.302(c).

## 4. Other Requirements

For the emission units in Condition 4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. Start-up, Shutdown, and Malfunction Breakdown Requirements**

i. Authorization for State Requirements

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of Conditions 4.1.2(a)(i)(A) and 4.1.2(b)(i)(A) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit. This condition does not cover vapor pressure or floating roof requirements.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Conditions 4.1.2(a)(i) and 4.1.2(b)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

## 4.2 Volatile Petroleum Liquid External Floating Roof Storage Tanks Subject to 35 IAC 215.124(a)

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| 1,972,866 Gallon External Floating Roof Tank (Tank 1211) | VOM | 1941 | N/A | Floating roof, mechanical shoe primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.2.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.121(b)(1), no person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any stationary tank of more than 151 cubic meters (40,000 gal) capacity unless such tank is designed and equipped with a floating roof which rests on the surface of the volatile organic liquid and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

B. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 1 (250 gal), unless such tank is equipped with a permanent submerged loading pipe or submerged fill.

ii. <u>Compliance Method (VOM Requirements)</u>

Monitoring

A. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect the floating roof and submerged fill pipe.

B. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect seals to ensure there are no holes or tears in the seal fabric.

Recordkeeping

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in the tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the vapor pressures of the materials stored in the tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the design information for the tank showing the type of seals present on the tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the throughputs of the material stored in the tank.

G. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of annual inspections.

**b. i. <u>Operational and Production Requirements</u>**

A. Pursuant to 215.123(b), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Pursuant to 215.123(b)(2), there are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof.

II. Pursuant to 215.123(b)(3), all openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

1. The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank.

2. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports.

3. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

B. Pursuant to 35 IAC 215.124(a), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. The tank has been fitted with a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal).

II. Each seal closure device meets the following requirements:

1. The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall.

2. The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter).

III. Emergency roof drains are provided with slotted membrane fabric covers across at least 90 percent of the area of the opening.

IV. Openings are equipped with projections into the tank which remain below the liquid surface at all times.

C. Pursuant to Section 39.5(7)(a), the Permittee shall not store gasoline in the tank.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

A. Pursuant to 215.123(b)(4), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless routine inspections of floating roof seals are conducted through roof hatches once every six months.

B. Pursuant to 215.123(b)(5), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect.

Recordkeeping

C. Pursuant to 215.123(b)(6), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a record of the results of each inspection conducted under 215.123(b)(4) or (b)(5) (Condition 4.2.2(b)(ii)(A) and (B) above) is maintained.

D. Pursuant to 35 IAC 215.124(a), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the IEPA, upon verbal or written request, at any reasonable time.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in the tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any tank.

## 3. Non-Applicability Determinations

a. The tank is not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Kb, because the tank was not construction, reconstruction, or modification was commenced after July 23, 1984.

b. The tank is not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, 40 CFR Part 63 Subpart BBBBBB, because the tank does not store gasoline pursuant to 40 CFR 63.11082.

c. The tank is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tank uses a passive control measure, such as a

seal, lid, or roof, that is not considered a control device because it acts to prevent the release of pollutants.

d. Pursuant to 35 IAC 215.122(a)(6), the requirements of 35 IAC 215.123(b) (Condition 4.2.2(b) above) shall not apply to any stationary storage tank in which volatile petroleum liquid is not stored.

e. The tanks are not subject 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, since the tanks are equipped with control devices approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere, pursuant to 35 IAC 215.302(c).

## 4. Other Requirements

For the emission units in Condition 4.2 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. Start-up, Shutdown, and Malfunction Breakdown Requirements**

i. Authorization for State Requirements

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of Conditions 4.2.2(a)(i)(A), 4.2.2(b)(i)(A), and 4.2.2(b)(i)(C) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit. This condition does not cover vapor pressure or floating roof requirements.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Conditions 4.2.2(a)(i) and 4.2.2(b)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

## 4.3 Volatile Petroleum Liquid External Floating Roof Storage Tanks Subject to 35 IAC 215.124(a) and 40 CFR 60 Subpart Kb

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| 1,978,830 Gallon External Floating Roof Tank (Tank 1212) | VOM | 1941 | 2000 | Floating roof, mechanical shoe primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.3.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.121(b)(1), no person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any stationary tank of more than 151 cubic meters (40,000 gal) capacity unless such tank is designed and equipped with a floating roof which rests on the surface of the volatile organic liquid and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

B. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 1 (250 gal), unless such tank is equipped with a permanent submerged loading pipe or submerged fill.

ii. <u>Compliance Method (VOM Requirements)</u>

Monitoring

A. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect the floating roof and submerged fill pipe.

Recordkeeping

B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in the tank.

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the vapor pressures of the materials stored in the tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the design information for the tank showing the type of seals present on the tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the throughputs of the material stored in the tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the annual inspections.

**b. i. <u>Operational and Production Requirements</u>**

A. Pursuant to 40 CFR 60.110b(a), the tank is subject to the Standards of Performance for New Stationary Sources (NSPS) Subpart Kb for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 $m^3$ (39,890 gallons) containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa (0.75 psi) but less than 76.6 kPa (11.11 psi) shall equip each storage vessel with an external floating roof, pursuant to 40 CFR 60.112b(a)(2).

I. Pursuant to 40 CFR 60.1(a), the owner or operator shall meet all the applicable general provisions of 40 CFR 60 Subpart A.

II. Pursuant to 40 CFR 60.112b(a)(2)(i), each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. 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.

1. Pursuant to 40 CFR 60.112b(a)(2)(i)(A), the primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4) (Condition 4.3.2(b)(ii)(B) below), the seal shall completely cover the annular space between the edge of the floating roof and tank wall.

2. Pursuant to 40 CFR 60.112b(a)(2)(i)(B), the secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4) (Condition 4.3.2(b)(ii)(B) below).

III. Pursuant to 40 CFR 60.112b(a)(2)(ii), except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that 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 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. Automatic bleeder vents and rim space vents are to be gasketed. 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.

IV. Pursuant to 40 CFR 60.112b(a)(2)(iii), the roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except

during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

B. Pursuant to 35 IAC 215.124(a), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Pursuant to 35 IAC 215.124(a)(1), the tank has been fitted with a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal) or any other device which controls volatile organic material emissions with an effectiveness equal to or greater than a rim mounted secondary seal.

II. Pursuant to 35 IAC 215.124(a)(2), each seal closure device meets the following requirements:

1. Pursuant to 35 IAC 215.124 (a)(2)(A), the seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall.

2. Pursuant to 35 IAC 215.124 (a)(2)(B), the accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter).

III. Pursuant to 35 IAC 215.124 (a)(3), emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening.

IV. Pursuant to 35 IAC 215.124 (a)(4), openings are equipped with projections into the tank which remain below the liquid surface at all times.

E. Pursuant to Section 39.5(7)(a), the Permittee shall not store gasoline in the tank.

ii. <u>Compliance Method (Operational and Production Requirements)</u>

Testing

A. Pursuant to 40 CFR 60.113b, the owner or operator of each storage vessel shall meet the requirements for external floating roofs of 40 CFR 60.113b(b).

Recordkeeping

B. Pursuant to 40 CFR 60.115b, the owner or operator of each storage vessel shall keep records as required by 40 CFR 60.115b(b).

C. Pursuant to 35 IAC 215.124(a), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements

are maintained and available to the IEPA, upon verbal or written request, at any reasonable time.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in the tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any tank.

## 3. Non-Applicability Determinations

a. The tank is not subject to the National Emission Standards for Hazardous Air Pollution (NESHAP) for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, 40 CFR Part 63 Subpart BBBBBB, because the tank does not store gasoline pursuant to 40 CFR 63.11082.

b. The tank is not subject to 35 IAC 215.123(b) because the tank is subject to New Source Performance Standards for storage vessels of petroleum liquid (40 CFR 60 Subpart Kb) pursuant to 35 IAC 215.123(a)(5).

c. The tank is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tank uses a passive control measure, such as a seal, lid, or roof, that is not considered a control device because it acts to prevent the release of pollutants.

d. Pursuant to 40 CFR 60.116b(g), the tanks are not subject to 40 CFR 60.116b, Monitoring of Operations.

e. The tanks are not subject 35 IAC 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, since the tanks are equipped with control devices approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere, pursuant to 35 IAC 215.302(c).

## 4. Other Requirements

For the emission units in Condition 4.3 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. <u>Start-up, Shutdown, and Malfunction Breakdown Requirements</u>**

i. <u>Authorization for State Requirements</u>

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of Conditions 4.3.2(a)(i)(A) and 4.3.2(b)(i)(B) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit. This condition does not cover vapor pressure or floating roof requirements.

**b. <u>Operational Flexibility Requirements</u>**

i. Pursuant to 35 IAC 215.124(a), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

A. Inspections are conducted prior to May 1 of each year to insure compliance with 35 IAC 215.124(a) (Condition 4.3.2(b)(i)(B) above).

B. The secondary seal gap is measured prior to May 1 of each year.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. <u>Prompt Reporting</u>**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Conditions 4.3.2(a)(i) and 4.3.2(b)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

**b. <u>Federal Reporting</u>**

i. Pursuant to 40 CFR 60.115b, the owner or operator of each storage vessel shall furnish reports as required by 40 CFR 60.115b(b).

## 4.4 Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| 10,333,386 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 19) | VOM, HAP | Pre-1972 | N/A | Floating roof, mechanical shoe primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |
| 3,000,396 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1234) | VOM, HAP | 1937 | N/A | Floating roof, mechanical shoe primary seal, and a permanent submerged loading pipe | None |
| 2,914,422 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1235) | VOM, HAP | 1941 | N/A | Floating roof, mechanical shoe primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |
| 4,480,434 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1265) | VOM, HAP | 1948 | N/A | Floating roof, mechanical shoe primary seal, rim- mounted secondary seal, and a permanent submerged loading pipe | None |
| 4,356,618 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1266) | VOM, HAP | 1948 | N/A | Floating roof, mechanical shoe primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |
| 4,169,340 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1267) | VOM, HAP | 1948 | N/A | Floating roof, mechanical shoe primary seal, rim- mounted secondary seal, and a permanent submerged loading pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.121(b)(1), no person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any

stationary tank of more than 151 cubic meters (40,000 gal) capacity unless such tank is designed and equipped with a floating roof which rests on the surface of the volatile organic liquid and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

B. I. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 1 (250 gal), unless such tank is equipped with a permanent submerged loading pipe or submerged fill.

ii. Compliance Method (VOM Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b), the Permittee shall annually inspect the floating roof and submerged fill pipe.

Recordkeeping

B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in each tank.

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the vapor pressures of the materials stored in each tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the design information for each tank showing the type of seals present on each tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the throughputs of the material stored in each tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the annual inspections.

**b. i. Hazardous Air Pollutant Requirements (HAP)**

Pursuant to 40 CFR 63.11081(a), the tanks are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart BBBBBB for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities.

A. Pursuant to 40 CFR 63.11098, the owner or operator shall meet all the applicable general provisions of 40 CFR 63 Subpart A, as specified in Condition 7.2(a).

B. Pursuant to 40 CFR 63.11085(a), each owner or operator, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

C. Pursuant to 40 CFR 63.11087(a) and Table 1 of 40 CFR 63 Subpart BBBBBB, each owner or operator must:

I. Reduce emissions of total organic HAP or TOC by 95 weight-percent with a closed vent system and control device, as specified in 40 CFR 60.112b(a)(3); or [Option 2a in Table 1 of 40 CFR 63 Subpart BBBBBB]

II. Equip each internal floating roof gasoline storage tank according to the requirements in 40 CFR 60.112b(a)(1), except for the secondary seal requirements under 40 CFR 60.112b(a)(1)(ii)(B) and the requirements in 40 CFR 60.112b(a)(1)(iv) through (ix); or [Option 2b in Table 1 of 40 CFR 63 Subpart BBBBBB]

III. Equip and operate each internal and external floating roof gasoline storage tank according to the applicable requirements in 40 CFR 63.1063(a)(1) and (b), except for the secondary seal requirements under 40 CFR 63.1063(a)(1)(i)(C) and (D); and [Option 2d in Table 1 of 40 CFR 63 Subpart BBBBBB]

IV. Equip each external floating roof gasoline storage tank according to the requirements of 40 63.1063(a)(2) if such storage tank does not currently meet the requirements of 40 CFR 63.1063(a)(1) [Option 2d in Table 1 of 40 CFR 63 Subpart BBBBBB].

D. Pursuant to 40 CFR 63.11089(c), when a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in 40 CFR 63.11089(d).

E. Pursuant to 40 CFR 63.11089(d), delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report specified in 40 CFR 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.

ii. <u>Compliance Method (HAP Requirements)</u>

Monitoring

A. Pursuant to 40 CFR 63.11087(c) and 40 CFR 63.11092(e)(1), each owner or operator must perform inspections of the floating roof system according to the requirements of 40 CFR 60.113b(a) if you are complying with Option 2(b) of Table 1 of 40 CFR 63 Subpart BBBBBB, or according to the requirements of 40 CFR 63.1063 (c)(1) if you are complying with Option 2(d) in Table 1 of 40 CFR 63 Subpart BBBBBB.

B. Pursuant to 40 CFR 63.11089(a), each owner or operator shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

Recordkeeping

C. Pursuant to 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11094(d), each owner or operator subject to the equipment leak provisions of 40 CFR 63.11089 shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program.

D. Pursuant to 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11094(e), each owner or operator of an affected source subject to equipment leak inspections under 40 CFR 63.11089 shall record in the log book for each leak that is detected the information specified in 40 CFR 63.11094(e)(e)(1) through (7):

1. The equipment type and identification number. [40 CFR 63.11094(e)(1)]

2. The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). [40 CFR 63.11094(e)(2)]

3. The date the leak was detected and the date of each attempt to repair the leak. [40 CFR 63.11094(e)(3)]

4. Repair methods applied in each attempt to repair the leak [40 CFR 63.11094(e)(4)].

5. "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. [40 CFR 63.11094(e)(5)]

6. The expected date of successful repair of the leak if the leak is not repaired within 15 days. [40 CFR 63.11094(e)(6)]

7. The date of successful repair of the leak. [40 CFR 63.11094(e)(7)]

E. Pursuant 40 CFR 63.11085(b), 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11094(g), each owner or operator shall keep records as specified in 40 CFR 63.11094(g)(1) and (2):

1. Records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment. [40 CFR 63.11094(g)(1)]

2. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11094(g)(2)]

F. Pursuant to 40 CFR 63.11089(b), a log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

**c. i. <u>Operational and Production Requirements</u>**

A. Pursuant to 215.123(b), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

I. Pursuant to 215.123(b)(2), there are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof.

II. Pursuant to 215.123(b)(3), all openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

1. The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank.

2. Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports.

3. Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

ii. Compliance Method (Operational and Production Requirements)

Monitoring

A. Pursuant to 215.123(b)(4), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless routine inspections of floating roof seals are conducted through roof hatches once every six months.

B. Pursuant to 215.123(b)(5), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect.

Recordkeeping

C. Pursuant to 215.123(b)(6), no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless a record of the results of each inspection conducted under 215.123(b)(4) or (b)(5) (Condition 4.4.2(c)(ii)(A) and (B) above) is maintained.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in each tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any tank.

## 3. Non-Applicability Determinations

a. The tanks are not subject to the New Source Performance Standards (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels), 40 CFR Part 60 Subpart Kb, because the tanks were not construction, reconstruction, or modification was commenced after July 23, 1984.

b. The tanks are not subject to 35 IAC 215.124(a), because the tanks are internal floating roof tanks.

c. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use a passive control measure, such as a seal, lid, or roof, that is not considered a control device because it acts to prevent the release of pollutants.

d. Pursuant to 35 IAC 215.122(a)(6), the requirements of 35 IAC 215.123(b) (Condition 4.4.2(c)(i)(A) above) shall not apply to any stationary storage tank in which volatile petroleum liquid is not stored.

e. The tanks are not subject 35 IAC 215.301, No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, since the tanks are equipped with control devices approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere, pursuant to 35 IAC 215.302(c).

## 4. Other Requirements

For the emission units in Condition 4.4 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. <u>Start-up, Shutdown, and Malfunction Breakdown Requirements</u>**

i. <u>Authorization for State Requirements</u>

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of Conditions 4.4.2(a)(i)(A) and 4.4.2(c)(i)(A) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit. This condition does not cover vapor pressure or floating roof requirements.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. <u>Prompt Reporting</u>**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Conditions 4.4.2(a)(i) and 4.4.2(c)(i)(A).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

**b. <u>Federal Reporting</u>**

i. Pursuant to 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11095(a), each owner or operator shall include in a semiannual compliance report the following information:

A. For storage vessels complying with Options 2(a) or 2(b) in Table 1 of 40 CFR 63 Subpart BBBBBB, the information specified in 40 CFR 60.115b(a), 40 CFR 60.115b(b), or 40 CFR 60.115b(c), depending upon the control equipment installed, or, for storage vessels complying with Option 2(d) in Table 1 of 40 CFR 63 Subpart BBBBBB, the information specified in 40 CFR 63.1066. [40 CFR 63.11095(a)(1)]

B. For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [40 CFR 63.11095(a)(3)]

ii. Pursuant to 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11095(b)(5), each owner or operator shall submit an excess emissions report at the time the semiannual compliance report is submitted. For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:

A. The date on which the leak was detected. [40 CFR 63.11095(b)(5)(i)]

B. The date of each attempt to repair the leak. [40 CFR 63.11095(b)(5)(ii)]

C. The reasons for the delay of repair [40 CFR 63.11095(b)(5)(iii)].

D. The date of successful repair. [40 CFR 63.11095(b)(5)(iv)]

iii. Pursuant to 40 CFR 63.11085(b), 40 CFR 63.11087(e), 40 CFR 63.11089(g), and 40 CFR 63.11095(d), each owner or operator subpart shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. Owners or operators of affected bulk plants and pipeline pumping stations are not required to submit reports for periods during which no malfunctions occurred.

## 4.5 Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| 2,065,518 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1210) | VOM, HAP | 1941 | 2001 | Floating roof, mechanical shoe primary seal and a permanent submerged loading pipe | None |
| 4,128,600 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1272) | VOM, HAP | 1949 | 1998 | Floating roof, shoe-mounted primary seal, rim-mounted secondary seal, and a permanent submerged loading pipe | None |
| 334,950 Gallon Internal Floating Roof Tank (Tank 1278) | VOM, HAP | 1993 | N/A | Internal floating roof, mechanical shoe primary seal, and permanent submerged fill pipe | None |
| 901,462 Gallon Internal Floating Roof Tank (Tank 1279) | VOM, HAP | 2001 | N/A | Internal floating roof, mechanical shoe primary seal, and permanent submerged fill pipe | None |
| 903,420 Gallon Internal Floating Roof Tank (Tank 1280) | VOM, HAP | 2001 | N/A | Internal floating roof, mechanical shoe primary seal, and permanent submerged fill pipe | None |
| 6,354,600 Gallon Internal Floating Roof Tank (Tank 1283) | VOM, HAP | 2001 | N/A | Internal floating roof, mechanical shoe primary seal, and permanent submerged fill pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.5.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.121(b)(1), no person shall cause or allow the storage of any volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any stationary tank of more than 151 cubic meters (40,000 gal) capacity unless such tank is designed and equipped with a floating roof which rests on the surface of the volatile organic liquid and is equipped with a closure seal

or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the volatile organic liquid has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

B. I. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 1 (250 gal), unless such tank is equipped with a permanent submerged loading pipe or submerged fill.

ii. Compliance Method (VOM Requirements)

Monitoring

A. Pursuant to Section 39.5(7)(b), the Permitee shall annually inspect the floating roof and submerged fill pipe.

Recordkeeping

B. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in each tank.

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the vapor pressures of the materials stored in each tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the design information for the tank showing the type of seals present on each tank.

E. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the throughputs of the material stored in each tank.

F. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the annual inspections.

**b. i. Hazardous Air Pollutant Requirements (HAP)**

Pursuant to 40 CFR 63.11081(a), the tanks are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart BBBBBB for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities.

A. Pursuant to 40 CFR 63.11098, the owner or operator shall meet all the applicable general provisions of 40 CFR 63 Subpart A. As specified in Condition 7.2(a).

B. Pursuant to 40 CFR 63.11085(a), each owner or operator, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

C. Pursuant to 40 CFR 63.11087(f), gasoline storage tanks subject to and complying with the control requirements of 40 CFR part 60 Subpart Kb are deemed to be in compliance with 40 CFR 63.11087.

D. Pursuant to 40 CFR 63.11089(a), each owner or operator shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

E. Pursuant to 40 CFR 63.11089(b), a log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

F. Pursuant to 40 CFR 63.11089(c), each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in 40 CFR 63.11089(d).

G. Pursuant to 40 CFR 63.11089(d), delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report specified in 40 CFR 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.

ii. Compliance Method (HAP Requirements)

Monitoring

A. Pursuant to 40 CFR 63.11087(c) and 40 CFR 63.11092(e)(1), each owner or operator must perform inspections of the floating roof system according to the requirements of 40 CFR 60.113b(a) if you are complying with Option 2(b) of Table 1 of 40 CFR 63 Subpart BBBBBB.

B. Pursuant to 40 CFR 63.11089(a), each owner or operator shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

Recordkeeping

C. Pursuant to 40 CFR 63.11089(g) and 40 CFR 63.11094(d), each owner or operator subject to the equipment leak provisions of 40 CFR 63.11089 shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089, the record shall contain a full description of the program.

D. Pursuant to 40 CFR 63.11089(g) and 40 CFR 63.11094(e), each owner or operator of an affected source subject to equipment leak inspections under 40 CFR 63.11089 shall record in the log book for each leak that is detected the information specified in 40 CFR 63.11094(e)(e)(1) through (7):

I. The equipment type and identification number. [40 CFR 63.11094(e)(1)]

II. The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). [40 CFR 63.11094(e)(2)]

III. The date the leak was detected and the date of each attempt to repair the leak. [40 CFR 63.11094(e)(3)]

IV. Repair methods applied in each attempt to repair the leak. [40 CFR 63.11094(e)(4)]

V. "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. [40 CFR 63.11094(e)(5)]

VI. The expected date of successful repair of the leak if the leak is not repaired within 15 days. [40 CFR 63.11094(e)(6)]

VII. The date of successful repair of the leak. [40 CFR 63.11094(e)(7)]

E. Pursuant 40 CFR 63.11085(b), 40 CFR 63.11089(g), and 40 CFR 63.11094(g), each owner or operator shall keep records as specified in 40 CFR 63.11094(g)(1) and (2):

I. Records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment. [40 CFR 63.11094(g)(1)]

II. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.11094(g)(2)]

**c. i. <u>Operational and Production Requirements</u>**

A. Pursuant to 40 CFR 60.110b(a), the tank is subject to the Standards of Performance for New Stationary Sources (NSPS) Subpart Kb for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. The owner or operator of each storage vessel either with a design capacity greater than or equal to 151 $m^3$ (39,890 gallons) containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa (0.75 psi) but less than 76.6 kPa (11.11 psi) shall equip each storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications, pursuant to 40 CFR 60.112b(a)(1).

I. Pursuant to 40 CFR 60.1(a), the owner or operator shall meet all the applicable general provisions of 40 CFR 60 Subpart A.

II. Pursuant to 40 CFR 60.112b(a)(1)(i), the internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

III. Pursuant to 40 CFR 60.112b(a)(1)(ii), each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

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

foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.

2. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

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

IV. Pursuant to 40 CFR 60.112b(a)(1)(iii), each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

V. Pursuant to 40 CFR 60.112b(a)(1)(iv), each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

VI. Pursuant to 40 CFR 60.112b(a)(1)(v), automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

VII. Pursuant to 40 CFR 60.112b(a)(1)(vi), rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

VIII. Pursuant to 40 CFR 60.112b(a)(1)(vii), each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

IX. Pursuant to 40 CFR 60.112b(a)(1)(viii), each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

X. Pursuant to 40 CFR 60.112b(a)(1)(ix), each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

ii. <u>Compliance Method (Operational and Production Requirements)</u>

Testing

A. Pursuant to 40 CFR 60.113b, the owner or operator of each storage vessel shall meet the requirements for external floating roofs of 40 CFR 60.113b(a).

Recordkeeping

B. I. Pursuant to 40 CFR 60.115b, the owner or operator of each storage vessel shall keep records and furnish reports as required by 40 CFR 60.115b(a).

II. Pursuant to 40 CFR 60.116b, the Permittee shall maintain records of the Monitoring of Operations as required by 40 CFR 60.116b(a) through (f).

C. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials stored in the tank.

D. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any tank.

## 3. Non-Applicability Determinations

a. The tanks are not subject to 35 IAC 215.124(a), because the tanks are internal floating roof tanks.

b. The tanks are not subject to 35 IAC 215.123(b) because the tanks are subject to New Source Performance Standards for storage vessels of petroleum liquid (40 CFR 60 Subpart Kb) pursuant to 35 IAC 215.123(a)(5).

b. The tanks are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the tanks use a passive control measure, such as a seal, lid, or roof, that is not considered a control device because it acts to prevent the release of pollutants.

d. The tanks are not subject 35 IAC 215.301, No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material, since the tanks are equipped with control devices approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere, pursuant to 35 IAC 215.302©.

## 4. Other Requirements

For the emission units in Condition 4.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. <u>Start-up, Shutdown, and Malfunction Breakdown Requirements</u>**

i. <u>Authorization for State Requirements</u>

A. Malfunction Breakdown Requirements

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements of Condition 4.5.2(a)(i)(A) during malfunction breakdown. The Permittee shall comply with all applicable requirements in Section 7.3 of this permit. This condition does not cover vapor pressure or floating roof requirements.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

I. Requirements in Condition 4.5.2(a)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

**b. Federal Reporting**

i. Pursuant to 40 CFR 60.115b, the owner or operator of each storage vessel shall keep records and furnish reports as required by 40 CFR 60.115b(a).

ii. Pursuant to 40 CFR 63.11089(g) and 40 CFR 63.11095(a), each owner or operator shall include in a semiannual compliance report the following information:

A. For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [40 CFR 63.11095(a)(3)]

iii. Pursuant to 40 CFR 63.11089(g) and 40 CFR 63.11095(b)(5), each owner or operator shall submit an excess emissions report at the time the semiannual compliance report is submitted. For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection:

A. The date on which the leak was detected. [40 CFR 63.11095(b)(5)(i)]

B. The date of each attempt to repair the leak. [40 CFR 63.11095(b)(5)(ii)]

C. The reasons for the delay of repair. [40 CFR 63.11095(b)(5)(iii)]

D. The date of successful repair. [40 CFR 63.11095(b)(5)(iv)]

iv. Pursuant to 40 CFR 63.11085(b), 40 CFR 63.11089(g), and 40 CFR 63.11095(d), each owner or operator subpart shall submit a semiannual report including the number,

duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. Owners or operators of affected bulk plants and pipeline pumping stations are not required to submit reports for periods during which no malfunctions occurred.

## 4.6 Truck Unloading Stations

### 1. Emission Units and Operations

| *Emission Units* | *Pollutants Being Regulated* | *Original Construction Date* | *Modification/ Reconstruction Date* | *Air Pollution Control Devices or Measures* | *Monitoring Devices* |
|---|---|---|---|---|---|
| Marathon Oil Company (MOC) Truck Unloading Station (Two Unloading Points) | VOM | 2006 | N/A | Permanent Submerged Fill Pipe | None |
| Bi-Petro Truck Unloading Station (One Unloading Point) | VOM | 2006 | N/A | Permanent Submerged Fill Pipe | None |
| Spare Truck Unloading Station (One Unloading Point) | VOM | 2006 | N/A | Permanent Submerged Fill Pipe | None |

### 2. Applicable Requirements

For the emission units in Condition 4.6.1 above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

**a. i. <u>Volatile Organic Material Requirements (VOM)</u>**

A. Pursuant to 35 IAC 215.122(a), no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility having through-put of greater than 40,000 gal/day into any tank truck or trailer unless such loading facility is equipped with submerged loading pipes or submerged fill.

ii. <u>Compliance Method (VOM Requirements)</u>

Recordkeeping

A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the presence of the submerged loading pipes.

**b. i. <u>Operational and Production Requirements</u>**

A. Pursuant to Section 39.5(7)(a), the Permittee shall not dispense gasoline from the truck unloading stations.

ii. <u>Compliance Method (Operational and Production Requirements)</u>

Recordkeeping

A. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the materials unloaded from the truck unloading stations.

B. Pursuant to Section 39.5(7)(b), the Permittee shall keep records and dates of any activity that resulted in a modification or reconstruction of any truck unloading station.

**C. i. <u>Work Practice Requirements</u>**

A. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall maintain and operate the truck unloading stations in a manner consistent with safety and good air pollution control practice for minimizing emissions.

ii. Compliance Method (Work Practice Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(a) of the Act, at a minimum, the Permittee shall perform annual inspections of the truck unloading stations and associated auxiliary equipment.

Recordkeeping

B. Pursuant to Section 39.5(7)(b) of the Act, the Permittee shall keep records of each inspection performed along with a maintenance and repair log. These records shall include, at a minimum: date and time inspections were performed, name(s) of inspection personnel, identification of equipment being inspected, findings of the inspections noting the presence of the submerged loading pipe, operation and maintenance procedures, and a description of all maintenance and repair activities performed including if the activity resulted in a modification or reconstruction of the piece of equipment.

## 3. Non-Applicability Determinations

a. The truck unloading stations are not subject to 35 IAC Part 215 Subpart Y because the truck unloading stations do not dispense gasoline.

b. The truck unloading stations are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the truck unloading stations do not use an add-on control device to achieve compliance with an emission limitation or standard.

## 4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

## 5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

**a. Prompt Reporting**

i. A. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section.

I. Requirements in Conditions 4.6.2(a)(i), 4.6.2(b)(i), and 4.6.2(c)(i).

B. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

ii. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

iii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

# Section 5 – NSR/PSD Title I Requirements

## 1. Construction Permits

### a. Construction Permit #01010035 [T1]

i. Emission Units and Operations

| *Section* | *Emission Units* | *Pollutants Being Regulated* |
|---|---|---|
| 4.4 | 10,333,386 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 19) | VOM |
| 4.4 | 3,000,396 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1234) | VOM |
| 4.4 | 2,914,422 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1235) | VOM |
| 4.4 | 4,480,434 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1265) | VOM |
| 4.4 | 4,356,618 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1266) | VOM |
| 4.4 | 4,169,340 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1267) | VOM |
| 4.5 | 2,065,518 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1210) | VOM |
| 4.5 | 4,128,600 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1272) | VOM |
| 4.5 | 334,950 Gallon Internal Floating Roof Tank (Tank 1278) | VOM |
| 4.5 | 901,462 Gallon Internal Floating Roof Tank (Tank 1279) | VOM |
| 4.5 | 903,420 Gallon Internal Floating Roof Tank (Tank 1280) | VOM |
| 4.5 | 6,354,600 Gallon Internal Floating Roof Tank (Tank 1283) | VOM |

ii. Applicable Requirements

In addition to the requirements in Section 4 of this permit for the emission units in Condition 5.1(a)(i) above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

A. Pursuant to Construction Permit #01010035, VOM emissions from the tanks shall not exceed 11.1 tons/month and 89.1 tons/year. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total). [T1]

B. Compliance Method (VOM Requirement)

I. Pursuant to Section 39.5(7)(b), the Permittee shall maintain records of the VOM emissions from the tanks with supporting documentation (tons/month and tons/year).

### b. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 3.

i. Prompt Reporting

A. I. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

Requirements in Condition 5.1(a)(ii)(A).

II. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.5(b).

B. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.5(b).

C. The deviation reports shall contain at a minimum the following information:

I. Date and time of the deviation.

II. Emission unit(s) and/or operation involved.

III. The duration of the event.

IV. Probable cause of the deviation.

V. Corrective actions or preventative measures taken.

# Section 6 – Insignificant Activities Requirements

## 1. Insignificant Activities Subject to Specific Regulations

Pursuant to 35 IAC 201.146, this condition is reserved for insignificant activities obligated to comply with Sections 9.1(d) and Section 39.5 of the Act; Sections 165, 173, and 502 of the Clean Air Act; or any other applicable permit or registration requirements. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

## 2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any Insignificant Activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities:

| *Insignificant Activity* | *Number of Units* | *Insignificant Activity Category* |
|---|---|---|
| Sumps | #### | 35 IAC 201.210(a)(1) and 201.211 |
| Metal Cutting Saw | #### | 35 IAC 201.210(a)(2) or (a)(3) |
| Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4). | #### | 35 IAC 201.210(a)(4) |
| Gas turbines and stationary reciprocating internal combustion engines < 112 kW (150 HP). | #### | 35 IAC 201.210(a)(15) |
| Gas Turbines and Engines between 112 KW and 1,118 KW (150 and 1,500 HP) that are emergency or standby units. | #### | 35 IAC 201.210(a)(16) |
| Any size storage tanks containing exclusively soaps, detergents, surfactants, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions where an organic solvent has not been mixed. | #### | 35 IAC 201.210(a)(17) |

## 3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

## 4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).

b. Pursuant to 35 IAC 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppm, except as provided in 35 IAC Part 214.

c. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.

d. Pursuant to 35 IAC 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 250 gal, unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the IEPA according to 35 IAC Part 201 or unless such tank is a pressure tank as described in 35 IAC 215.121(a) or is fitted with a recovery system as described in 35 IAC 215.121(b)(2). Exception as provided in 35 IAC 215.122(c): If no odor nuisance exists the limitations of 35 IAC 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F.

## 5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed.

b. Potential to emit emission calculations before any air pollution control device for each insignificant activity.

## 6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

**a. <u>Notification 7 Days in Advance</u>**

i. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3. The notification shall include the following pursuant to 35 IAC 201.211(b):

A. A description of the emission unit including the function and expected operating schedule of the unit.

B. A description of any air pollution control equipment or control measures associated with the emission unit.

C. The emissions of regulated air pollutants in lb/hr and ton/yr.

D. The means by which emissions were determined or estimated.

E. The estimated number of such emission units at the source.

F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.

ii. Pursuant to 35 IAC 201.212(b), 35 IAC 201.146(kkk), and Sections 39.5(12)(a) and (b) of the Act; for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. A construction permit is not required. Addresses are included in Attachment 3.

iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any change made in Condition 6.6(a) above.

**b. Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit. A construction permit is not required.

**c. Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required. A construction permit is not required.

# Section 7 – Other Requirements

## 1. Testing

a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 3. This protocol shall describe the specific procedures for testing, including as a minimum:

i. The name and identification of the emission unit(s) being tested.

ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.

iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.

iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.

v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.

vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.

vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.

viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.

ix. Sampling of materials, QA/QC procedures, inspections, etc.

b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.7(a) of the Act as follows:

i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.

ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.

c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.7(a) of the Act. The Final Report shall include as a minimum:

i. General information including emission unit(s) tested.

ii. A summary of results.

iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).

iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.

v. Detailed description of test conditions, including:

A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.

B. Control equipment information, i.e., equipment condition and operating parameters during testing.

C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.

vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.

vii. An explanation of any discrepancies among individual tests or anomalous data.

viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.

ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.

x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.

d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

## 2. 40 CFR 63 Subpart A Requirements (NESHAP)

### a. 40 CFR 63 Subpart A and BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

Pursuant to 40 CFR 63 Subpart A and BBBBBB, the Permittee shall comply with the following applicable General Provisions as indicated:

| *General Provision Citation* | *General Provision Applicable?* | *Subject of Citation* | *Explanation (if required)* |
|---|---|---|---|
| 40 CFR 63.1 | Yes | General Applicability of the General Provisions | Specific requirements given in 40 CFR 63.11081. |
| 40 CFR 63.2 | Yes | Definitions | 40 CFR 63.11081(b) exempts identified area sources from the obligation to obtain Title V Operating Permits. |
| 40 CFR 63.3 | Yes | Units and Abbreviations | Additional definitions in 40 CFR 63.11100. |
| 40 CFR 63.4 | Yes | Prohibited Activities and Circumvention | |
| 40 CFR 63.5 | Yes | Preconstruction Review and Notification Requirements | |
| 40 CFR 63.6 | Yes | Compliance with Standards and Maintenance Requirements | Except 40 CFR 63.6(b)(7); (c)(1)-(2) (40 CFR 63.11083 specifies the compliance dates); (c)(5); (e)(1)(i) (See 40 CFR 63.11085 for general duty requirement); (e)(1)(ii); (e)(3); (f)(1); (h)(1)-(9); |
| 40 CFR 63.7 | Yes | Performance Testing Requirements | Except 40 CFR 63.7(e)(1) (40 CFR 63.11092(g) specifies conditions for conducting performance tests); (e)(3) (except for testing conducted under 40 CFR 63.11092(a)) |
| 40 CFR 63.8 | Yes | Monitoring Requirements | Except 63.8(c)(1)(i); (c)(1)(iii); (d) |
| 40 CFR 63.9 | Yes | Notification Requirements | Except 63.9(f); (g) (However, there are no opacity standards); (h)(1)-(6) (except as specified in 40 CFR 63.11095(a)(4); also, there are no opacity standards) |
| 40 CFR 63.10 | Yes | Recordkeeping and Reporting Requirements | Except 63.10(b)(2)(iv); (b)(2)(v); (c); (d)(3); (d)(5) (see 40 CFR 63.11095(d) for malfunction reporting requirements); (e)(1)-(2); (e)(3)(i)-(iii) (note that 40 CFR 63.11095 specifies excess emission events for this subpart); (e)(3)(iv)-(v) (40 CFR 63.11095 specifies excess emission events for this subpart) |
| 40 CFR 63.11 | Yes | Control Device and Work Practice Requirements | |
| 40 CFR 63.12 | Yes | State Authority and Delegations | |
| 40 CFR 63.13 | Yes | Addresses of State Air Pollution Control Agencies and EPA Regional Offices | |
| 40 CFR 63.14 | Yes | Incorporations by Reference | |

| *General Provision Citation* | *General Provision Applicable?* | *Subject of Citation* | *Explanation (if required)* |
|---|---|---|---|
| 40 CFR 63.15 | Yes | Availability of Information and Confidentiality | |
| 40 CFR 63.16 | No | Performance Track Provisions | |

## 3. Malfunction Breakdown Requirements

**a. Malfunction Breakdown Provisions**

Pursuant to 35 IAC 201.149, 201.161, and 201.262, the source is authorized to continue operation in violation of the applicable requirements (as referenced in Section 4 of the CAAPP permit) during malfunction or breakdown. The source has applied for such authorization in its application, generally describing "such continued operation is necessary to prevent injury to persons or severe damage to equipment; or that such continued operation is required to provide essential services; provided, however, that continued operation solely for the economic benefit of the source shall not be sufficient for granting of permission." As provided by 35 IAC 201.265, authorization in this CAAPP permit for continued operation during malfunction or breakdown does not shield the source from enforcement for any violation of applicable emission standard(s) that occurs during malfunction or breakdown and only constitutes a prima facie defense to such an enforcement action provided that the source has fully complied with all terms and conditions connected with such authorization.

i. Upon continued operation in violation of the applicable requirements during malfunction or breakdown, the source shall as soon as practical, remove from service and repair the emission unit(s) or undertake other measures as described in the application so that any violation of the applicable requirements cease.

ii. For continued operation in violation of the applicable requirements during malfunction or breakdown, the time shall be measured from the start of a particular incident and ends when violation of the applicable requirements ceases. The absence of a violation of the applicable requirements for a short period shall not be considered to end the incident if a violation of the applicable requirements resume. In such circumstances, the incident shall be considered to continue until corrective measures are taken so that a violation of the applicable requirements cease or the source takes the emission unit(s) out of service.

iii. Following notification to the IEPA of continued operation in violation of the applicable requirements during malfunction or breakdown, the source shall comply with all reasonable directives of the IEPA with respect to such incident, pursuant to 35 IAC 201.263.

**b. Monitoring - Recordkeeping**

Pursuant to Section 39.5(7)(b) of the Act and 35 IAC 201.263, the source shall maintain records of continued operation in violation of the applicable requirements during malfunction or breakdown shall include at a minimum:

i. A malfunction breakdown plan that includes the following at a minimum:

A. Estimates of typical emissions during malfunction or breakdown.

B. Reasonable steps that will be taken to minimize emissions, duration, and frequency of malfunction or breakdown.

ii. Date and duration of the malfunction or breakdown.

iii. A detailed explanation of the malfunction or breakdown.

iv. An explanation why the emission unit(s) continued operation.

v. The measures used to reduce the quantity of emissions and the duration of the event.

vi. The steps taken to prevent similar malfunctions or breakdowns and reduce their frequency and severity.

vii. An explanation of whether emissions during malfunction or breakdown were above typical emissions in the malfunction or breakdown procedures and whether emissions exceeded any applicable requirements.

**c. Monitoring - Reporting**

Pursuant to Sections 39.5(7)(b) and (f) of the Act and 35 IAC 201.263, the source shall provide the following notification and reports to the IEPA, Compliance Section and Regional Field Office (addresses are included in Attachment 3) concerning continued operation in violation of the applicable requirements during malfunction or breakdown:

i. Prompt Reporting

When the granted duration is exceeded (as referenced in Section 4 of the CAAPP permit) or continued operation in violation of the applicable requirements during malfunction or breakdown:

A. The source shall notify the IEPA's regional office by telephone as soon as possible during normal working hours, but no later than three (3) days, upon the occurrence of noncompliance due to malfunction or breakdown.

B. Upon achievement of compliance, the source shall give a written follow-up notice within 15 days to the IEPA, Air Compliance Section and Regional Field Office, providing a detailed explanation of the event, an explanation why continued operation was necessary, the length of time during which operation continued under such conditions, the measures taken by the source to minimize and correct deficiencies with chronology, and when the repairs were completed or when the unit(s) was taken out of service.

C. If compliance is not achieved within 5 working days of the occurrence, the source shall submit interim status reports to the IEPA, Air Compliance Section and Regional Field Office, within 5 days of the occurrence and every 14 days thereafter, until compliance is achieved. These interim reports shall provide a brief explanation of the nature of the malfunction or breakdown, corrective actions accomplished to date, actions anticipated to occur with schedule, and the expected date on which repairs will be complete or the emission unit(s) will be taken out of service.

ii. Semiannual Reporting

As part of the required Semiannual Monitoring Reports, the source shall submit a semiannual malfunction breakdown report including the following at a minimum:

A. A listing of all malfunctions and breakdowns, in chronological order, that includes: the date, time, and duration of each incident; and identity of the affected operation(s) involved in the incident.

B. Dates of the notices and reports required by Prompt Reporting requirements of 3(A) above.

C. The aggregate duration of all incidents during the reporting period.

D. If there have been no such incidents during the reporting period, this shall be stated in the report.

# Section 8 – State Only Requirements

## 1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

| *Pollutant* | | *Tons/Year* |
|---|---|---|
| Volatile Organic Material | (VOM) | 169.17 |
| Sulfur Dioxide | ($SO_2$) | --- |
| Particulate Matter | (PM) | --- |
| Nitrogen Oxides | ($NO_x$) | --- |
| HAP, not included in VOM or PM | (HAP) | --- |
| Total | | 169.17 |

# Attachment 1 – List of Emission Units at This Source

| Section | Emission Units | Description |
|---|---|---|
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 2,981,538 Gallon External Floating Roof Tank (Tank 1213) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 4,493,790 Gallon External Floating Roof Tank (Tank 1268) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 4,528,188 Gallon External Floating Roof Tank (Tank 1269) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 4,546,290 Gallon External Floating Roof Tank (Tank 1270) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 4,429,530 Gallon External Floating Roof Tank (Tank 1271) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 6,100,374 Gallon External Floating Roof Tank (Tank 1276) |
| 4.1 | Volatile Petroleum Liquid External Floating Roof Storage Tanks | 6,146,532 Gallon External Floating Roof Tank (Tank 1277) |
| 4.2 | Volatile Petroleum Liquid External Floating Roof Storage Tanks Subject to 35 IAC 215.124(a) | 1,972,866 Gallon External Floating Roof Tank (Tank 1211) |
| 4.3 | Volatile Petroleum Liquid External Floating Roof Storage Tanks Subject to 35 IAC 215.124(a) and 40 CFR 60 Subpart Kb | 1,978,830 Gallon External Floating Roof Tank (Tank 1212) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 10,333,386 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 19) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 3,000,396 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1234) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 2,914,422 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1235) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 4,480,434 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1265) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 4,356,618 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1266) |
| 4.4 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB | 4,169,340 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1267) |

| Section | Emission Units | Description |
|---|---|---|
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 2,065,518 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1210) |
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 4,128,600 Gallon Internal Floating Roof Tank with Geo-Dome (Tank 1272) |
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 334,950 Gallon Internal Floating Roof Tank (Tank 1278) |
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 901,462 Gallon Internal Floating Roof Tank (Tank 1279) |
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 903,420 Gallon Internal Floating Roof Tank (Tank 1280) |
| 4.5 | Gasoline Internal Floating Roof Storage Tanks (Geo-Dome) Subject to 40 CFR 63 Subpart BBBBBB and 40 CFR 60 Subpart Kb | 6,354,600 Gallon Internal Floating Roof Tank (Tank 1283) |
| 4.6 | Truck Unloading Stations | Marathon Oil Company (MOC) Truck Unloading Station (Two Unloading Points) |
| 4.6 | Truck Unloading Stations | Bi-Petro Truck Unloading Station (One Unloading Point) |
| 4.6 | Truck Unloading Stations | Spare Truck Unloading Station (One Unloading Point) |

# Attachment 2 - Acronyms and Abbreviations

| | |
|---|---|
| acfm | Actual cubic feet per minute |
| ACMA | Alternative Compliance Market Account |
| Act | Illinois Environmental Protection Act [415 ILCS 5/1 et seq.] |
| AP-42 | Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711 |
| ATU | Allotment trading unit |
| BACT | Best Available Control Technology |
| BAT | Best Available Technology |
| BTU | British Thermal Units |
| CAA | Clean Air Act [42 U.S.C. Section 7401 et seq.] |
| CAAPP | Clean Air Act Permit Program |
| CAIR | Clean Air Interstate Rule |
| CAM | Compliance Assurance Monitoring |
| CEMS | Continuous Emission Monitoring System |
| CFR | Code of Federal Regulations |
| CISWI | Commercial Industrial Solid Waste Incinerator |
| CO | Carbon monoxide |
| $CO_2$ | Carbon dioxide |
| COMS | Continuous Opacity Monitoring System |
| CPMS | Continuous Parameter Monitoring System |
| dscf | Dry standard cubic foot |
| dscm | Dry standard cubic meter |
| EAF | Electric arc furnace |
| ERMS | Emissions Reduction Market System |
| °F | Degrees Fahrenheit |
| GHG | Green house gas |
| gr | Grains |
| HAP | Hazardous air pollutant |
| Hg | Mercury |
| HMIWI | Hospital medical infectious waste incinerator |
| HP | Horsepower |
| hr | Hour |
| $H_2S$ | Hydrogen sulfide |
| I.D. No. | Identification number of source, assigned by IEPA |
| IAC | Illinois Administrative Code |
| ILCS | Illinois Compiled Statutes |
| IEPA | Illinois Environmental Protection Agency |
| KW | Kilowatts |
| LAER | Lowest Achievable Emission Rate |

| | |
|---|---|
| lb | Pound |
| m | Meter |
| MACT | Maximum Achievable Control Technology |
| mm | Million |
| mon | Month |
| MSDS | Material Safety Data Sheet |
| MSSCAM | Major Stationary Sources Construction and Modification (Non-attainment New Source Review) |
| MW | Megawatts |
| NESHAP | National Emission Standards for Hazardous Air Pollutants |
| $NO_x$ | Nitrogen oxides |
| NSPS | New Source Performance Standards |
| NSR | New Source Review |
| PM | Particulate matter |
| $PM_{10}$ | Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods |
| $PM_{2.5}$ | Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods |
| ppm | Parts per million |
| ppmv | Parts per million by volume |
| PSD | Prevention of Significant Deterioration |
| PSEU | Pollutant-Specific Emission Unit |
| psia | Pounds per square inch absolute |
| PTE | Potential to emit |
| RACT | Reasonable Available Control Technology |
| RMP | Risk Management Plan |
| scf | Standard cubic feet |
| SCR | Selective catalytic reduction |
| SIP | State Implementation Plan |
| $SO_2$ | Sulfur dioxide |
| T1 | Title I - identifies Title I conditions that have been carried over from an existing permit |
| T1N | Title I New - identifies Title I conditions that are being established in this permit |
| T1R | Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit |
| USEPA | United States Environmental Protection Agency |
| VOM | Volatile organic material |

# Attachment 3 - Contact and Reporting Addresses

| | |
|---|---|
| IEPA<br>Compliance Section | Illinois EPA, Bureau of Air<br>Compliance & Enforcement Section (MC 40)<br>1021 North Grand Avenue East<br>P.O. Box 19276<br>Springfield, Illinois 62794-9276<br><br>Phone No.: 217/782-2113 |
| IEPA<br>Stack Test Specialist | Illinois EPA, Bureau of Air<br>Compliance Section<br>Source Monitoring - Third Floor<br>9511 Harrison Street<br>Des Plaines, Illinois 60016<br><br>Phone No.: 847/294-4000 |
| IEPA<br>Air Quality Planning Section | Illinois EPA, Bureau of Air<br>Air Quality Planning Section (MC 39)<br>1021 North Grand Avenue East<br>P.O. Box 19276<br>Springfield, Illinois 62794-9276<br><br>Phone No.: 217/782-2113 |
| IEPA<br>Air Regional Field Operations<br>Regional Office #3 | Illinois EPA, Bureau of Air<br>Regional Office #3<br>2009 Mall Street<br>Collinsville, IL 62234<br><br>Phone No.: 618/346-5120 |
| IEPA<br>Permit Section | Illinois EPA, Bureau of Air<br>Permit Section (MC 11)<br>1021 North Grand Avenue East<br>P.O. Box 19506<br>Springfield, Illinois 62794-9506<br><br>Phone No.: 217/782-2113 |
| USEPA<br>Region 5 - Air Branch | USEPA (AR - 17J)<br>Air and Radiation Division<br>77 West Jackson Boulevard<br>Chicago, Illinois 60604<br><br>Phone No.: 312/353-2000 |

# Attachment 4 - Example Certification by a Responsible Official

| ***SIGNATURE BLOCK*** | |
|---|---|
| NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE. | |
| I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H)) | |
| AUTHORIZED SIGNATURE: | |
| BY: _____ | _____ |
| AUTHORIZED SIGNATURE | TITLE OF SIGNATORY |
| _____ | _____ / _____ / _____ |
| TYPED OR PRINTED NAME OF SIGNATORY | DATE |