



Indiana Department of Environmental Management

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of a Part 70 Operating Permit

for Oil Technology, Inc., an on-site contractor for ArcelorMittal, USA, Inc. in Porter County

Part 70 Operating Permit Renewal No.: T124-36732-00074

The Indiana Department of Environmental Management (IDEM) has received an application from Oil Technology, Inc., an on-site contractor for ArcelorMittal, USA, Inc. located at U.S. Highway 12, Burns Harbor, Indiana for a renewal of its Part 70 Operating Permit issued on April 27, 2011. If approved by IDEM's Office of Air Quality (OAQ), this proposed renewal would allow Oil Technology, Inc. to continue to operate its existing source.

This draft Part 70 Operating Permit Renewal does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

A copy of the permit application and IDEM's preliminary findings are available at:

Westchester Public Library
200 W. Indiana Avenue
Chesterton, IN 46304

and

IDEM Northwest Regional Office
330 W. US Highway 30, Suites E & F
Valparaiso, IN 46385

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting,

you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number T127-36732-00074 in all correspondence.

Comments should be sent to:

Jean Fix
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-8531
Or dial directly: (317) 234-8531
Fax: (317) 232-6749 attn: Jean Fix
E-mail: jfix@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Jean Fix of my staff at the above address.



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality



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DRAFT

Administrative Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

Oil Technology, Inc. - a contractor of ArcelorMittal Burns Harbor, LLC.

**U.S. Highway 12
Burns Harbor, Indiana 46304**

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

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

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

Operation Permit No.: T127-36732-00074	
Issued by:	Issuance Date:
Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Expiration Date:

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary used oil recycling facility, an on site contractor of ArcelorMittal USA, Inc.

Source Address:	U.S. Highway 12, Burns Harbor, Indiana 46304
General Source Phone Number:	219-322-2724
SIC Code:	3312 ((Steel Works, Blast Furnaces (including Coke Ovens), and Rolling Mills)) 2992 (Lubricating Oils and Greases)
County Location:	Porter
Source Location Status:	Nonattainment for 8-hour ozone standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Emission Offset Rules Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This integrated steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana, with the following onsite contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

- (a) Beemsterboer Slag Corp (Plt ID 127-00116);
- (b) Calumite Company, LLC (Plt ID 127-00024);
- (c) Fritz Enterprises, Inc. (Plt ID 127-00123);
- (d) Indiana Flame Service (Plt ID 127-00098);
- (e) Metal Services, LLC dba Phoenix Services, LLC (Plt ID 127-00026);
- (f) Mid-Continent Coal and Coke (Plt ID 127-00108);
- (g) Oil Technology, Inc. (Plt ID 127-00074);
- (h) PSC Metals, Inc. (Plt ID 127-00118); and
- (i) SMS Mill Services, LLC (Plt ID 127-00076).

ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), and Oil Technology, Inc. are still under the common control of ArcelorMittal Burns Harbor, LLC. These plants are considered one major source, as defined by 326 IAC 2-7-1(22), based on this contractual control. Therefore, the term

“source” in the Part 70 documents refers to both, ArcelorMittal Burns Harbor, LLC and Oil Technology, Inc., as one major source.

Separate Part 70 Operating Permits have been issued to ArcelorMittal Burns Harbor, LLC, and Oil Technology, Inc., solely for administrative purposes.

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

- (a) One (1) ArcelorMittal Burns Harbor, LLC, owned unloading sump for the loading of waste water and product loadout, identified as EU9801, constructed in 1992, with a maximum pumping rate of 100 gallons per minute (gpm), with a maximum surface area of 144 sq ft, or 1,043,324 gallons;
- (b) Two (2) ArcelorMittal Burns Harbor, LLC, owned waste oil mixture (raw material) storage tanks, identified as EU9802A and B, constructed in 1985, each with a maximum capacity of 45,000 gallons, venting to V-9802A and B;
- (c) One (1) Oil Technology, Inc. Burns Harbor owned waste oil processing tank, identified as EU9803, constructed in 1985, with a maximum capacity of 20,000 gallons, and a maximum throughput of 2,088,000 gallons per year, utilizing an odor abatement process, venting water vapor to V-9803;
- (d) Two (2) ArcelorMittal Burns Harbor, LLC, owned product storage tanks, identified as EU9804A and B, constructed in 1992, each with a maximum capacity of 30,000 gallons, venting to V9804A and B;
- (e) One (1) Oil Technology, Inc. Burns Harbor owned finished oil truck loadout, identified as EU9805, constructed in 1995, with a maximum pumping rate from 100 to 133 gallons per minute (gpm) depending on the viscosity of the used oil, filling one (1) 6,000 gallon tanker per hour.

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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

The source also consists of the following insignificant activities:

- (a) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (b) Paved and unpaved roads and parking lots with public access.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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

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

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, T127-36732-00074, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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

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

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

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

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

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

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

The Permittee shall implement the PMPs.

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

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance

causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

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

- (A) A description of the emergency;

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

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable

requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

- (a) All terms and conditions of permits established prior to T127-36732-00074 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Administrative Part 70 operating permit.

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

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

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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

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

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

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

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

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

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

B.23 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

C.3 Open Burning [326 IAC 4-1][IC 13-17-9]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

C.7 Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

C.11 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.12 Risk Management Plan [326 IAC 2-7-5(11)][40 CFR 68]

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

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5][326 IAC 2-7-6]

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;

- (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the Part 70 permit.

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

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

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

(c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:

- (A) A description of the project.

- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:
 - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
 - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
 - (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (b) Two (2) ArcelorMittal Burns Harbor, LLC, owned waste oil mixture (raw material) storage tanks, identified as EU9802A and B, constructed in 1985, each with a maximum capacity of 45,000 gallons, venting to V-9802A and B;
- (c) One (1) Oil Technology, Inc. Burns Harbor owned waste oil processing tank, identified as EU9803, constructed in 1985, with a maximum capacity of 20,000 gallons, and a maximum throughput of 2,088,000 gallons per year, utilizing an odor abatement process, venting water vapor to V-9803;
- (d) Two (2) ArcelorMittal Burns Harbor, LLC, owned product storage tanks, identified as EU9804A and B, constructed in 1992, each with a maximum capacity of 30,000 gallons, venting to V9804A and B.

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

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

D.1.1 Record Keeping Requirement [326 IAC 8-9-6]

- (a) Pursuant to 326 IAC 8-9-6(b), the Permittee shall maintain a record and submit to IDEM, OAQ a report containing the following information for each vessel (EU9803, EU9804A and B, EU9802A and B):
 - (1) The vessel identification number
 - (2) The vessel dimensions
 - (3) The vessel capacity
 - (4) A description of the emission control equipment shall be maintained for the life of the vessel.

Pursuant to 326 IAC 8-9-6(a), these records shall be maintained for the life of the vessel.
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the required by this condition.

D.1.2 Reporting Requirements [326 IAC 8-9-6]

Pursuant to 326 IAC 8-9-6(h), the Permittee shall maintain a record of the two (2) stationary vessels (EU9802A and B) and notify the IDEM, OAQ not later than thirty (30) days when the maximum true vapor pressure of the liquid exceeds seventy-five hundredths (0.75) psia.

These reports shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
ADMINISTRATIVE PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Oil Technology, Inc., an on site contractor of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-36732-00074

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**ADMINISTRATIVE PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Oil Technology, Inc., an on site contractor of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
Part 70 Permit No.: T127-36732-00074

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Source Name: Oil Technology, Inc., an on site contractor of ArcelorMittal Burns Harbor
 Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
 Part 70 Permit No.: T127-36732-00074

Months: _____ **to** _____ **Year:** _____

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for an Administrative Part 70 Operating Permit
Renewal

Source Background and Description

Source Name:	Oil Technology, Inc., an on-site contractor for ArcelorMittal Burns Harbor LLC
Source Location:	U.S. Highway 12, Burns Harbor, Indiana 46304
County:	Porter
SIC Code:	3312 ((Steel Works, Blast Furnaces (including Coke Ovens), and Rolling Mills)) 2992 (Lubricating Oils and Greases)
Permit Renewal No.:	T127-36732-00074
Permit Reviewer:	Jean Fix

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Oil Technology, Inc. relating to the operation of a stationary used oil recycling facility. On July 24, 2015, Oil Technology, Inc. submitted an application to the OAQ requesting to renew its operating permit. Oil Technology, Inc. was issued its first Administrative Part 70 Operating Permit Renewal T127-29686-00074 on April 27, 2011.

Source Definition

This integrated steel works operation consists of a primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), located at 250 West U.S. Highway 12, Burns Harbor, Indiana, with the following onsite contractors. The contractors listed below were issued separate Part 70 operating permits solely for administrative purposes:

- (a) Beemsterboer Slag Corp (Plt ID 127-00116);
- (b) Calumite Company, LLC (Plt ID 127-00024);
- (c) Fritz Enterprises, Inc. (Plt ID 127-00123);
- (d) Indiana Flame Service (Plt ID 127-00098);
- (e) Metal Services, LLC dba Phoenix Services, LLC (Plt ID 127-00026);
- (f) Mid-Continent Coal and Coke (Plt ID 127-00108);
- (g) Oil Technology, Inc. (Plt ID 127-00074);
- (h) PSC Metals, Inc. (Plt ID 127-00118); and
- (i) SMS Mill Services, LLC (Plt ID 127-00076).

ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), and Oil Technology, Inc. are still under the common control of ArcelorMittal Burns Harbor, LLC. These plants are considered one major source, as defined by 326 IAC 2-7-1(22), based on this contractual control. Therefore, the term "source" in the Part 70 documents refers to both, ArcelorMittal Burns Harbor, LLC and Oil Technology, Inc., as one major source. This conclusion was initially determined under

Administrative Part 70 Operating Permit Renewal T127-7667-00074 on June 22, 2006. Separate Part 70 Operating Permits will be issued to ArcelorMittal Burns Harbor, LLC, and Oil Technology, Inc., solely for administrative purposes.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) One (1) ArcelorMittal Burns Harbor, LLC, owned unloading sump for the loading of waste water and product loadout, identified as EU9801, constructed in 1992, with a maximum pumping rate of 100 gallons per minute (gpm), with a maximum-surface area of 144 sq ft, or 1,043,324 gallons;
- (b) Two (2) ArcelorMittal Burns Harbor, LLC, owned waste oil mixture (raw material) storage tanks, identified as EU9802A and B, constructed in 1985, each with a maximum capacity of 45,000 gallons, venting to V-9802A and B;
- (c) One (1) Oil Technology, Inc. Burns Harbor owned waste oil processing tank, identified as EU9803, constructed in 1985, with a maximum capacity of 20,000 gallons, and a maximum throughput of 2,088,000 gallons per year, utilizing an odor abatement process, venting water vapor to V-9803;
- (d) Two (2) ArcelorMittal Burns Harbor, LLC, owned product storage tanks, identified as EU9804A and B, constructed in 1992, each with a maximum capacity of 30,000 gallons, venting to V9804A and B;
- (e) One (1) Oil Technology, Inc. Burns Harbor owned finished oil truck loadout, identified as EU9805, constructed in 1995, with a maximum pumping rate from 100 to 133 gallons per minute (gpm) depending on the viscosity of the used oil, filling one (1) 6,000 gallon tanker per hour.

Insignificant Activities

The source also consists of the following insignificant activities:

- (a) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (b) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

Existing Approvals

The source was issued Administrative Part 70 Operating Permit No. 127-29686-00074 on April 27, 2011. There have been no subsequent approvals issued.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

Appendix A of this TSD reflects the unrestricted potential emissions of Oil Technology, Inc. only.

All unpaved roads surrounding or used in conjunction with the processes of this facility are the responsibility of the primary source, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001). Therefore, all potential emissions from unpaved roads are associated with the primary source, and all control requirements and maintenance provisions are the responsibility of ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001).

County Attainment Status

The source is located in Porter County.

Pollutant	Designation
SO ₂	Cannot be classified for the area bounded on the north by Lake Michigan; on the west by the Lake County and Porter County line; on the south by I-80 and I-90; and on the east by the LaPorte County and Porter County line. The remainder of Porter County is better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	On June 11, 2012, the U.S. EPA designated Porter County nonattainment, for the 8-hour ozone standard.
PM _{2.5}	Unclassifiable or attainment effective February 6, 2012, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area, including Porter County, for the 1-hour standard which was revoked effective June 15, 2005. The U. S. EPA has acknowledged in both the proposed and final rulemaking for this redesignation that the anti-backsliding provisions for the 1-hour ozone standard no longer apply as a result of the redesignation under the 8-hour ozone standard. Therefore, permits in Porter County are no longer subject to review pursuant to Emission Offset, 326 IAC 2-3 for the 1-hour standard. ² The department has filed a legal challenge to U.S. EPA's designation in 77 FR 34228.	

- (a) **Ozone Standards**
 U.S. EPA, in the Federal Register Notice 77 FR 112 dated June 11, 2012, has designated Porter County as nonattainment for ozone. On August 1, 2012, the air pollution control board issued an emergency rule adopting the U.S. EPA's designation. This rule became effective August 9, 2012. IDEM does not agree with U.S. EPA's designation of nonattainment. IDEM filed a suit against U.S. EPA in the U.S. Court of Appeals for the DC Circuit on July 19, 2012. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's designation. Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NO_x emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (b) **PM_{2.5}**
 Porter County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
 Porter County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this source is classified as a steel mill plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, as defined above to include the primary operation, ArcelorMittal Burns Harbor, LLC (Plant ID 127-00001), and all onsite contractors.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	Greater than 100
PM ₁₀	Greater than 100
PM _{2.5}	Greater than 100
SO ₂	Greater than 100
NO _x	Greater than 100
VOC	Greater than 100
CO	Greater than 100
Single HAP	Greater than 10
Total HAP	Greater than 25

- (a) The potential to emit (as defined in 326 IAC 2-7-1(30)) of PM₁₀, PM_{2.5}, SO₂, NO_x, VOC, and CO is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued a Part 70 Operating Permit Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(30)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units of Oil Technology, Inc. and ArcelorMittal Burns Harbor, LLC. Any new control equipment is considered federally enforceable only after issuance of this Administrative Part 70 permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of Oil Technology, Inc., After Issuance of Renewal (tons/year)								
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
unloading sump for the loading of waste water and product loadout (EU9801)	-	-	-	-	-	0.37	-	0.07	0.05 (Xylene)
Process Tank EU9803	-	-	-	-	-	1.24	-	0.21	0.15 (Xylene)
Product Storage Tank (EU9802A, EU9802B, EU9804A, EU9804B)	-	-	-	-	-	0.06	-	0.01	0.01 (Xylene)
Truck Loadout EU9805 (Fugitive Emissions)	-	-	-	-	-	0.75	-	0.13	0.09 (Xylene)
Valves/Flanges/Pumps (Fugitive Emissions)	-	-	-	-	-	0.64	-	0.11	0.08 (Xylene)
Paved Roads	0.15	0.03	0.01	-	-	-	-	-	NA
Total PTE of Oil Technology, Inc.	0.15	0.03	0.01	0.00	0.00	3.06	0.00	0.51	0.37 (Xylene)
ArcelorMittal Burns Harbor	>100	>100	>100	>100	>100	>100	>100	>25	>10
Total PTE of Entire Source (ArcelorMittal Burns Harbor and Oil Technology, Inc.)	>100	>100	>100	>100	>100	>100	>100	>25	>10
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	100	100	100	100	NA	NA	100	NA	NA

Process/ Emission Unit	Potential To Emit of Oil Technology, Inc., After Issuance of Renewal (tons/year)								
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	100	100	NA	NA	NA
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} .									

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a PSD regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3), because VOC, a nonattainment regulated pollutant, is emitted at a rate of 100 tons per year or more.
- (c) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability

CAM

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:
 - (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the existing units as part of this Administrative Part 70 permit renewal because none of the processes have control devices for criteria pollutants or HAPs.

NSPS

- (b) The New Source Performance Standard (NSPS) 40 CFR Part 60, Subpart K (Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978) is not included in this proposed permit renewal because Oil Technology, Inc. - Burns Harbor does not have any storage vessels that were constructed prior to May 19, 1978.
- (c) The New Source Performance Standard (NSPS) 40 CFR Part 60, Subpart Ka (Standards of Performance for Storage Vessels for Petroleum Liquids for which Construction,

Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984) is not included in this proposed permit renewal because Oil Technology, Inc. - Burns Harbor does not have any storage vessels that were constructed prior to July 23, 1984.

- (d) The New Source Performance Standard (NSPS) 40 CFR Part 60, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced After July 23, 1984), is not included in this proposed permit renewal because 60.110b (Applicability and designation of affected facility) paragraph (b) states that this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m³ storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m³ but less than 151 m³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
- (i) The two (2) 45,000 gallon storage tanks (EU9802A and B) associated with this process have a capacity greater than 151 cubic meters each, and they store liquids with maximum true vapor pressures less than 3.5 kPa. Therefore, the requirements of 40 CFR 60, Subpart Kb, are not applicable to these tanks.
- (ii) The two (2) 30,000 gallon storage tanks (EU9804A and B) associated with this process have a capacity between 75 cubic meters and 151 cubic meters each, and they store liquids with maximum true vapor pressures less than 15.0 kPa. Therefore, the requirements of 40 CFR 60, Subpart Kb, are not applicable to these tanks.
- (iii) The processing tank (EU9803) is exempt because it is a processing tank and not storage tank as required and defined by the rule (60.111b). Therefore, the requirements of 40 CFR 60, Subpart Kb, are not applicable to this tank.
- (e) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed permit renewal.

NESHAP

- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Organic Liquids Distribution (Non-Gasoline) (40 CFR 63, Subpart EEEE), are not included in the proposed permit renewal. The equipment is not an organic liquid distribution operation as defined in §63.2406 of this subpart because the liquid which it processes does not contain 5 percent by weight or greater of the organic HAP listed in Table 1 to the subpart and, therefore, does not fit the definition of an organic liquid.
- (g) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this proposed permit renewal.

State Rule Applicability - Entire Source

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

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

326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)
This source is a major stationary source because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is in one (1) of the 28 listed source categories.

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

This rule does not apply to an owner or operator that has received all necessary permits for the construction or reconstruction of a source or unit before July 27, 1997. This major source was constructed prior to July 27, 1997, and has not reconstructed since that time. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is located in Porter County and its emissions of VOC and/or NOx are greater than 25 tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(1), annual reporting is required. An emission statement shall be submitted by July 1, 2016 and every year thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 2-7-6(5) (Annual Compliance Certification)

The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certification that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 5-1 (Opacity Limitations)

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

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

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The source is not subject to the requirements of 326 IAC 6-3 because the waste oil recovery process does not emit particulate emissions.

326 IAC 6-4 (Fugitive Dust Emissions)

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

326 IAC 6-5 (Fugitive Particulate Matter Limitations)

ArcelorMittal Burns Harbor is subject to the requirements of 326 IAC 6-5 because the potential fugitive particulate emissions exceed twenty-five (25) tons per year. All paved and unpaved roads on-site are covered under the ArcelorMittal Burns Harbor, LLC Fugitive Dust Control Plan. Oil Technology, Inc. does not have any specific fugitive emissions subject to 326 IAC 6-5.

326 IAC 6.5 (PM Limitations Except Lake County)

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

State Rule Applicability – Individual Facilities

326 IAC 8-1-6 (BACT)

Potential VOC emissions from each unit of the waste oil recovery process, to include the unloading sump (EU9801), the processing tank (EU9803), the storage tanks (EU9802A and B, EU9804A and B), and the truck loadout (EU9805) are below 25 tons per year, therefore the provisions of 326 IAC 8-1-6 (BACT) do not apply.

326 IAC 8-4 (Petroleum Sources)

The requirements of 326 IAC 8-4 (Petroleum Sources) are not applicable to the finished oil truck loadout (EU9805). Although the plant is located in Porter County, this process does not perform any of the activities identified in 326 IAC 8-4. This process involves the loadout of finished oil, with a Reid vapor pressure less than 4 psi.

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

The requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) are not applicable to the storage tanks at this plant. Although the plant is located in Porter County, and the capacities of the petroleum liquid storage vessels are greater than 39,000 gallons, the true vapor pressure of the volatile organic compound which they contain is below 10.5 kPa (1.52 psi).

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

Pursuant to 326 IAC 8-9-1(a) (Applicability), this rule applies to the stationary waste oil processing tank (EU9803) and the four (4) stationary tanks (EU9804A and B, and EU9802A and B) used to store volatile organic liquid (VOL) at Oil Technology, Inc. - Burns Harbor because they are located in Porter County.

- (a) The two (2) stationary tanks (EU9802A and B) each have capacities equal to or greater than thirty-nine thousand (39,000) gallons and store a VOL with a maximum true vapor pressure of 0.009 pounds per square inch absolute (psia). Therefore, the two (2) stationary tanks (EU9802A and B) are subject to reporting and record keeping provisions of 326 IAC 8-9-6(a), (b), and (h) because the VOL stored in each tank has a maximum true vapor pressure less than 0.75 psia. These vessels are not subject to any other provisions of this rule.

This is an existing requirement for EU9802A and B.

Pursuant to 326 IAC 8-9-6(h), the owner or operator of the two (2) stationary tanks (EU9802A and B) shall maintain a record and notify the IDEM, OAQ not later than thirty (30) days when the maximum true vapor pressure of the liquid exceeds seventy-five hundredths (0.75) psia.

This is new requirement for the two (2) stationary tanks (EU9802A and B) due to a re-evaluation of the applicability of 326 IAC 8-9.

- (b) Pursuant to 326 IAC 8-9-1(b), the stationary waste oil processing tank (EU9803) and the two (2) stationary tanks (EU9804A and B) with a capacity of less than thirty-nine thousand (39,000) gallons are subject to the reporting and record keeping provisions of section 6(a) and 6(b) of this rule and are exempt from all other provisions of this rule.

Pursuant to 326 IAC 8-9-6(b), the owner or operator shall maintain a record and submit to IDEM, OAQ a report containing the following information for each vessel:

- (1) The vessel identification number.
- (2) The vessel dimensions.
- (3) The vessel capacity.
- (4) A description of the emission control equipment.

Pursuant to 326 IAC 8-9-6(a), these records shall be maintained for the life of the vessel.

This is new requirement for the one (1) processing tank (EU9803) and two (2) stationary tanks (EU9804A and B) due to a re-evaluation of the applicability of 326 IAC 8-9.

Compliance Determination and Monitoring Requirements

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

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

There are no compliance determination or compliance monitoring requirements applicable to this source.

Recommendation

The staff recommends to the Commissioner that the Administrative Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

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

An application for the purposes of this review was received on July 24, 2015. Additional information was received on March 24, 2016 and April 1, 2016.

Conclusion

The operation of this stationary used oil recycling facility shall be subject to the conditions of the attached Administrative Part 70 Operating Permit Renewal No. T127-36732-00074.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Jean Fix at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-8531 or toll free at 1-800-451-6027 extension 4-8531.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>

- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Emissions Summary**

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Process/Emission Unit	Potential to Emit (ton/yr)									
	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Total HAPs	HAP	
Unloading sump EU9801	-	-	-	-	-	0.37	-	0.07	0.05	Xylene
Process Tank EU9803	-	-	-	-	-	1.24	-	0.21	0.15	Xylene
Product Storage Tanks (EU9802A, EU9802B, EU9804A and EU9804B)	-	-	-	-	-	0.06	-	0.01	0.01	Xylene
Truck Loadout EU9805 - Fugitive Emissions	-	-	-	-	-	0.75	-	0.13	0.09	Xylene
Valves, Flanges, Pumps - Fugitive Emissions	-	-	-	-	-	0.64	-	0.11	0.08	Xylene
Paved Roads	0.15	0.03	0.01	-	-	-	-	-	-	NA
Total	0.15	0.03	0.01	0.00	0.00	3.06	0.00	0.51	0.37	Xylene

Appendix A: Emissions Calculations
VOC - Unloading Sump EU9801 Fugitive Emissions

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Trailer Loading - Potential to Emit VOC					
Max pumping rate	=	100	gpm		
	=	6,000	gal/hr		
	=	6	Kgal/hr		
Max emissions, lb/hr	=	1.429	lb/Kgal	x	6 Kgal/hr
	=	8.58	lb/hr		
Max throughput	=	521	Kgal/yr		
Max emissions, tpy	=	1.429	lb/Kgal	x	521 Kgal/yr
	=	744.86	lb/yr		
	=	744.86	lb/yr		
	=	2,000	lb/ton		
	=	0.37	ton/yr		

BASIS

Maximum pumping rate	=	100	gpm		
Maximum trucks filled per hour	=	1.00	trucks/hr		
Maximum Used oil	=	1,042,324			
% Recovered (see assump. #2)	=	50%			
Therefore, maximum oil recovered	=	521,162	gal/yr		
	=	521	Kgal/yr		
Material Properties					
Molecular weight	=	130	lb/lb-mol		
Temperature of liquid	=	220	deg. F		
	=	680	deg. R	deg. R = deg.F+ 680	
Vapor pressure of the liquid	=	1.00	psia		

ASSUMPTIONS

- 1 Material properties are assumed to be same as distillate number 2 fuel oil
- 2 Maximum recovery rate is assumed to be 50%, as compared to typical 40% recovery

METHODOLOGY

Loading loss is calculated using the methodology described in AP-42, Section 5.2 Transportation and Marketing of Petroleum Liquids, Equation (1).

$$L_L = \frac{12.46 \text{ SPM}}{T}$$

Where:

- L_L - Loading loss, lb/1000 gal
- S - Saturation Factor
- P - True vapor pressure of the liquid loaded
- M - Molecular weight of the liquid, lb/lb-mol
- T - Temperature, deg. R

For submerged filling, $S = 0.6$

$$L_L = \frac{12.46 \times 0.6 \times 1.000 \text{ psia} \times 130 \text{ lb/lb-mol}}{680 \text{ deg R}}$$

$$= 1.429 \text{ lb/Kgal}$$

Appendix A: Emissions Calculations

VOC - Process Tank EU9803; Storage Tanks EU9802A, EU9802B, EU9804A and EU9804B

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Process tank

Emission Unit	Maximum used oil processed (gal/yr)	Maximum used oil processed (Mbbbl/yr)	VOC emission rate (lb/Mbbbl)*	VOC emissions (ton/yr)
Tanks EU9803	2,088,000	49.71	50	1.24

*This VOC emission factor is for vacuum distillation column condensers, uncontrolled, from AP-42 Section 5.1: Petroleum Refineries, Table 5.1-1.

METHODOLOGY

VOC emissions (ton/yr) = Maximum used oil processed (Mbbbl/yr) * VOC emission rate (lb/Mbbbl) * 1 ton/2000 lb

The maximum throughput ("Maximum used oil processed") was calculated by the source by doubling the maximum capacity of the unloading sump in gallons.

CONVERSION FACTORS

1 bbl = 42 gal

1Mbbbl = 1000 bbl

Appendix A: Emissions Calculations
VOC - Finished Oil Truck Loadout EU9805 Fugitive Emissions

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Trailer Loading - Potential to Emit VOC					
Max pumping rate	=	100	gpm		
	=	6,000	gal/hr		
	=	6	Kgal/hr		
Max emissions, lb/hr	=	1.429	lb/Kgal	x	6 Kgal/hr
	=	8.58	lb/hr		
Max throughput	=	1,044	Kgal/yr		
Max emissions, tpy	=	1.429	lb/Kgal	x	1,044 Kgal/yr
	=	1,492.12	lb/yr		
	=	1,492.12	lb/yr		
	=	2,000	lb/ton		
	=	0.75	ton/yr		

BASIS

Maximum pumping rate	=	100	gpm		
Maximum trucks filled per hour	=	1.00	trucks/hr		
Maximum Used oil (see assump. #2)	=	2,088,000			
% Recovered (see assump. #3)	=	50%			
Therefore, maximum oil recovered	=	1,044,000	gal/yr		
	=	1,044	Kgal/yr		
Material Properties					
Molecular weight	=	130	lb/lb-mol		
Temperature of liquid	=	220	deg. F		
	=	680	deg. R	deg. R = deg.F+ 680	
Vapor pressure of the liquid	=	1.00	psia		

ASSUMPTIONS

- 1 Material properties are assumed to be same as distillate number 2 fuel oil
- 2 For maximum operating flexibility, PTE is estimated by doubling the maximum capacity of the unloading sump in gallons, per source
- 3 Maximum recovery rate is assumed to be 50%, as compared to typical 40% recovery

METHODOLOGY

Loading loss is calculated using the methodology described in AP-42, Section 5.2 Transportation and Marketing of Petroleum Liquids, Equation (1).

$$L_L = \frac{12.46 \text{ SPM}}{T}$$

Where:

- L_L - Loading loss, lb/1000 gal
- S - Saturation Factor
- P - True vapor pressure of the liquid loaded
- M - Molecular weight of the liquid, lb/lb-mol
- T - Temperature, deg. R

For submerged filling, S = 0.6

$$L_L = \frac{12.46 \times 0.6 \times \frac{1.000 \text{ psia} \times 130 \text{ lb/lb-mol}}{680 \text{ deg R}}}{1}$$

$$= 1.429 \text{ lb/Kgal}$$

**Appendix A: Emissions Calculations
VOC - Piping Network Fugitive Emissions**

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Potential Fugitive VOC Emissions - Piping System

Unit	Number of Units	VOC Emissions per Unit * (lb/yr)	Total VOC Emissions for Unit Type	
			(lb/yr)	(ton/yr)
Valves	9	4.38	39.42	0.02
Flanges	5	4.9	24.5	0.01
Pumps	3	402.96	1,208.88	0.60
Total			1,272.80	0.64

* VOC emission factors are from US EPA, March 1990. AIRS Facility Subsystem Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants, p. 138. EPA 450/4-90-003. Emission factors used are for Industrial Processes - Petroleum Industry, Fugitive Emissions - 2911, Heavy Liquid Streams

METHODOLOGY

Total VOC Emissions for Unit Type (lb/yr) = VOC Emissions per Unit (lb/yr) * Number of Units

Total VOC Emissions for Unit Type (ton/yr) = Total VOC Emissions for Unit Type (lb/yr) / 2000

**Appendix A: Emissions Calculations
HAPs - All Units**

**Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015**

Process Tank EU9803

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.01
Toluene	001-088-83	100	2.39	0.03
Ethylbenzene	001-004-14	10	0.24	0.00
Xylene	013-302-07	510	12.20	0.15
Trichloroethane	000-715-56	16	0.38	0.00
Perchloroethene	001-271-84	14	0.33	0.00
Methyl Ethyl Ketone	000-789-33	10	0.24	0.00
Total		690	16.50	0.21

Product Storage Tanks EU9802A, EU9802B, EU9804A and EU9804B

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.0004
Toluene	001-088-83	100	2.39	0.0015
Ethylbenzene	001-004-14	10	0.24	0.0001
Xylene	013-302-07	510	12.20	0.0074
Trichloroethane	000-715-56	16	0.38	0.0002
Perchloroethene	001-271-84	14	0.33	0.0002
Methyl Ethyl Ketone	000-789-33	10	0.24	0.0001
Total		690	16.50	0.0101

Unloading Sump - Fugitive Emissions

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.01
Toluene	001-088-83	100	2.39	0.01
Ethylbenzene	001-004-14	10	0.24	0.00
Xylene	013-302-07	510	12.20	0.05
Trichloroethane	000-715-56	16	0.38	0.00
Perchloroethene	001-271-84	14	0.33	0.00
Methyl Ethyl Ketone	000-789-33	10	0.24	0.00
Total		690	16.50	0.07

Valves/Flanges - Fugitive Emissions

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.00
Toluene	001-088-83	100	2.39	0.02
Ethylbenzene	001-004-14	10	0.24	0.00
Xylene	013-302-07	510	12.20	0.08
Trichloroethane	000-715-56	16	0.38	0.00
Perchloroethene	001-271-84	14	0.33	0.00
Methyl Ethyl Ketone	000-789-33	10	0.24	0.00
Total		690	16.50	0.11

Truck Loadout - Fugitive Emissions

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.01
Toluene	001-088-83	100	2.39	0.02
Ethylbenzene	001-004-14	10	0.24	0.00
Xylene	013-302-07	510	12.20	0.09
Trichloroethane	000-715-56	16	0.38	0.00
Perchloroethene	001-271-84	14	0.33	0.00
Methyl Ethyl Ketone	000-789-33	10	0.24	0.00
Total		690	16.50	0.13

Plantwide HAP Emissions - Significant Emission Units

Chemical	CAS #	Concentration (ppb)	% of VOCs	PTE (ton/yr)
Benzene	000-714-32	30	0.72	0.03
Toluene	001-088-83	100	2.39	0.07
Ethylbenzene	001-004-14	10	0.24	0.01
Xylene	013-302-07	510	12.20	0.37
Trichloroethane	000-715-56	16	0.38	0.01
Perchloroethene	001-271-84	14	0.33	0.01
Methyl Ethyl Ketone	000-789-33	10	0.24	0.01
Total		690	16.50	0.51

NOTE: The HAP speciation is based on stack test data available for process vessels at a similar facility in Middletown, Ohio. Total measured concentration of VOCs was 4,182 ppb. All sources are assumed to emit HAPs in the same ratio as the process vessels.

METHODOLOGY

PTE (ton/yr) = VOC PTE of unit (ton/yr) * HAP Concentration (ppb) / Total VOC Concentration (4,182 ppb)

For Plantwide HAP Emissions, PTE (ton/yr) = Process PTE + Product Storage PTE + Valves/Flanges PTE + Trailer Loading PTE

Appendix A: Emissions Calculations
Results from TANKS4.0.9d calculations
Storage Tanks EU9802A, EU9802B, V9804A and V9804B

Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Source Address: U.S. Highway 12, Burns Harbor, Indiana 46304
TVOP Renewal No.: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015

Emissions Report for EU9802A and EU9802B - Vertical Fixed Roof Tanks (for raw material storage)

Losses (lbs/year)			
Components	Working Loss	Breathing Loss	Total Emissions
Distillate fuel oil no. 2	33.12	32.18	65.29

Emissions Report for V9804A and V9804B - Vertical Fixed Roof Tanks (for final product storage)

Losses (lbs/year)			
Components	Working Loss	Breathing Loss	Total Emissions
Distillate fuel oil no. 2	56.79	0	56.79

Storage tanks

Emission Unit	Maximum used oil processed (gal/yr)	VOC emissions** (ton/yr)
Raw material Tanks EU9802A, EU9802B,	2,088,000	0.033
Final product Tanks EU9804A and EU9804B	2,088,000	0.028

** The potential VOC emissions of Tanks EU9802A, EU9802B, EU9804A and EU9804B were calculated by the source using the EPA software, Tanks 4.0.9d.

METHODOLOGY

The maximum throughput ("Maximum used oil processed") was calculated by the source by doubling the maximum capacity of the unloading sump in gallons.

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

**Company Name: Oil Technology, Inc. an On-Site Contractor Of ArcelorMittal Burns Harbor
Address City IN Zip: U.S. Highway 12, Burns Harbor, IN
Permit Number: T127-36732-00074
Reviewer: Jean Fix
Received Date: 7/24/2015**

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vac Truck (entering plant) (one-way trip) - Loaded	4.0	1.0	4.0	29.5	118.0	150	0.028	0.1	41.5
Vac Truck (leaving plant) (one-way trip)-Empty	4.0	1.0	4.0	17.5	70.0	150	0.028	0.1	41.5
Tanker (entering plant) (one-way trip)-Empty	2.0	1.0	2.0	16.0	32.0	250	0.047	0.1	34.6
Tanker (leaving plant) (one-way trip)-Loaded	2.0	1.0	2.0	40.0	80.0	170	0.032	0.1	23.5
Totals			12.0		300.0			0.4	141.0

Average Vehicle Weight Per Trip =

25.0

 tons/trip
Average Miles Per Trip =

0.03

 miles/trip

Unmitigated Emission Factor, Ef = $[k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	25.0	25.0	25.0	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, Eext = $Ef * [1 - (p/4N)]$
where p =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =

365

 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	2.319	0.464	0.1138	lb/mile
Mitigated Emission Factor, Eext =	2.120	0.424	0.1041	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vac Truck (entering plant) (one-way trip) - Loaded	0.05	0.01	0.00	0.04	0.01	0.00	0.02	0.00	0.00
Vac Truck (leaving plant) (one-way trip)-Empty	0.05	0.01	0.00	0.04	0.01	0.00	0.02	0.00	0.00
Tanker (entering plant) (one-way trip)-Empty	0.04	0.01	0.00	0.04	0.01	0.00	0.02	0.00	0.00
Tanker (leaving plant) (one-way trip)-Loaded	0.03	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.00
Totals	0.16	0.03	0.01	0.15	0.03	0.01	0.07	0.01	0.00

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

May 5, 2016

Nick Rovai
Oil Technology, Inc - contractor of ArcelorMittal
1203 Sheffield Ave
Dyer, IN 46311

Re: Public Notice
Oil Technology Inc
Permit Level: Title V
Permit Number:127-36732-00074

Dear Nick :

Enclosed is a copy of your draft Title V, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has submitted the draft permit package to the Westchester Public Library 200 W Indiana Avenue in Chesterton, Indiana . As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper. The OAQ has requested that the Chesterton Tribune in Chesterton, Indiana publish this notice no later than Friday, May 6, 2016

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Jean Fix, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-8531 or dial (317) 234-8531

Sincerely,

Catherine Denny
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter. dot 3/27/08



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Governor

Carol S. Comer
Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

May 5, 2016

Chesterton Tribune
P.O. Box 919
Chesterton, Indiana 46304

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Oil Technology Inc Porter County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than Friday, May 6, 2016

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Catherine Denny at 800-451-6027 and ask for extension 4-5256 or dial 317-234-5256.

Sincerely,
Catherine Denny
Permit Branch
Office of Air Quality

Permit Level: Title V
Permit Number: 127- 36732-00074

Enclosure

PN Newspaper.dot 2/17/2016



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

May 5, 2016

To: Westchester Public Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Oil Technology Inc
Permit Number: 127-36732-00074

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 2/16/2016



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Michael R. Pence
Governor

Carol S. Comer
Commissioner

Notice of Public Comment

May 5, 2016
Oil Technology Inc
127-36732-00074

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 2/17/2016

Mail Code 61-53

IDEM Staff	CDENNY 5/5/2016 Oil Technology, Inc - contractor of ArcelorMittal (001) 127-36732-00074 (draft)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Nick Rovai Oil Technology, Inc - contractor of ArcelorMittal 1203 Sheffield Ave Dyer IN 46311 (Source CAATS)										
2		Gerald Piper President/ Owner Oil Technology, Inc - contractor of ArcelorMittal 1203 Sheffield Ave Dyer IN 46311 (RO CAATS)										
3		Westchester Public Library 200 W Indiana Ave Chesterton IN 46304-3122 (Library)										
4		Porter County Board of Commissioners 155 Indiana Ave, Ste 205 Valparaiso IN 46383 (Local Official)										
5		Porter County Health Department 155 Indiana Ave, Suite 104 Valparaiso IN 46383-5502 (Health Department)										
6		Shawn Sobocinski 1814 Laporte Street Portage IN 46368-1217 (Affected Party)										
7		Mr. Ed Dybel 2440 Schrage Avenue Whiting IN 46394 (Affected Party)										
8		Ralph Mora Industrial & Environmental Services, LLC 7550 East Melton Road Gary IN 46403 (Consultant)										
9		Mr. Joseph Virgil 128 Kinsale Avenue Valparaiso IN 46385 (Affected Party)										
10		Mark Coleman 8 Turret Rd. Portage IN 46368-1072 (Affected Party)										
11		Mr. Dennis Hahney Pipefitters Association, Local Union 597 1461 East Summit St Crown Point IN 46307 (Affected Party)										
12		Ms. Kathy Luther Northern Regional Planning Commission 6100 Southport Rd Portage IN 46368 (Affected Party)										
13		Burns Harbor Town Council 1240 N. Boo Rd Burns Harbor IN 46304 (Local Official)										
14		Eric & Sharon Haussman 57 Shore Drive Ogden Dunes IN 46368 (Affected Party)										
15		Joseph Hero 11723 S Oakridge Drive St. John IN 46373 (Affected Party)										

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