FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) Renewal

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

and

HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

Vermette Machine Company, Inc.
7 – 143rd Street
Hammond, Indiana 46327

(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.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. Seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: **F089-12965-00247**	
Issued by: _____ Ronald L. Novak, Director Hammond Department of Environmental Management	Issuance Date: March 1, 2002 Expiration Date: March 1, 2007

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Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

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

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

The Permittee owns and operates a stationary, portable material lift manufacturing plant.

Authorized individual:	Arthur Koch, President
Source Address:	7 – 143rd Street, Hammond, Indiana 46327
Mailing Address:	(same)
SIC Code:	3537 – Metal working, coating, and degreasing
Source Location Status:	Lake
County Status:	Attainment/Unclassifiable for CO, NO_2 and Lead, Primary Nonattainment for SO2, Moderate Nonattainment for PM10, and Severe Nonattainment for Ozone.
Source Status:	Federally Enforceable State Operating Permit (FESOP) Major under Emission Offset Rules; Not 1 of 28 Source Categories listed under 326 IAC 2-2

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

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

Portable Lift Manufacturing Operation that includes:

(a) One (1) Open Top Vapor Degreaser, identified as E21, constructed in May 29, 1991, used to clean metal parts used in the fabrication of portable material lifts. The solvent used is trichloroethylene at a maximum rate of 0.0039 Tons per hour of make-up solvent added. Emissions are controlled by a Freeboard Refrigeration system, and exhausting to stack S21. This system is operated in accordance with 40 CFR Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning.

(b) One (1) Spray Paint Booth, identified as E01, constructed in September 1986, used for surface coating the portable lifts. The paint used is Carbit Paint Company 79E32 Aluminum A.D. Enamel. The maximum rate of paint usage is 0.869 gal/hr. Particulate overspray is controlled by filters prior to exhausting to stack S01.

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

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

(a) Nineteen (19) natural gas space heaters with a combined maximum design capacity of 3.91 MMBtu/hr heat input.

(b) Three (3) welding stations for the welding of metal using 70S3 wire.

(c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(d) Machining where an aqueous cutting coolant continuously floods the machining interface.

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(f) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(g) Paved and unpaved roads and parking lots with public access.

(h) Filter or coalescer media changeout.

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

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

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

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

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

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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

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

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

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the original date, 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.

B.4 Enforceability [326 IAC 2-8-6]

(a) 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, HDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

(b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by HDEM.

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

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

B.6 Severability [326 IAC 2-8-4(4)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

(b) The Permittee shall furnish to IDEM, OAQ and HDEM within a reasonable time, any information that IDEM, OAQ and HDEM may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and HDEM copies of records required to be kept by this permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

(c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) 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.

(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

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

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

(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 and HDEM on or before the date it is due.

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

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

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

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

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

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

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

(b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ and HDEM upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and HDEM. IDEM, OAQ and HDEM may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept 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 or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM within a reasonable time.

B.14 Emergency Provisions [326 IAC 2-8-12]

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

(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 describes the following:

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

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

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

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and HDEM within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM:
Telephone No.: 1-800-451-6027
(ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

and

HDEM:
Telephone No.: 219-853-6306
Facsimile No.: 219-853-6343

Failure to notify IDEM, OAQ and HDEM by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue - Room 304
Hammond, Indiana 46320

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

(e) IDEM, OAQ and may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ and HDEM by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) 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.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

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

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

(c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

(1) That this permit contains a material mistake.

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

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ or HDEM to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ or HDEM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or HDEM may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and HDEM and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(40) and 326 IAC 2-7-1(21). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

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

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

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

(2) If IDEM, OAQ and HDEM upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of

this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and HDEM takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and HDEM, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

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

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.19 Operational Flexibility [326 IAC 2-8-15]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

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

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

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

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

and

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

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

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

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

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

(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 by the Permittee does not require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1.

(c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(d) Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

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, HDEM, U.S. EPA, or an authorized representative to perform the following:

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

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

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

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) 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 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

(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) 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 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

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

C.1 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);

(2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period;

(3) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(4) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

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

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.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(3)]

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

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).

C.6 Fugitive Dust Emissions [326 IAC 6-1-11.1]

The Permittee shall be in violation of 326 IAC 6-1-11.1 (Lake County Fugitive Particulate Matter Control Requirements), if the opacity of fugitive particulate emissions exceeds ten percent (10%).

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

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

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 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) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

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

C.9 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and HDEM not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and HDEM, if the source 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.10 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. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

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

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

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

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

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

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

(b) Whenever a condition in this permit requires the measurement of a temperature, flow rate, or pH level, the instrument employed shall have a scale such that the expected

normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

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

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.15 Compliance Response Plan – Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ and HDEM upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

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

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

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

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

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

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

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

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

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

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

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

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

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

The documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.17 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

(a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8). The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

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

C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept 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 or HDEM makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or HDEM within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental
Air Pollution Control Division
5925 Calumet Avenue, Room-304
Hammond, Indiana 46320

(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 and HDEM on or before the date it is due.

(d) Unless otherwise specified in this permit, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Portable Lift Manufacturing Operation including:

One (1) Open Top Vapor Degreaser, identified as E21, installed on May 29, 1991, used to clean metal parts used in the fabrication of portable material lifts. The solvent used is trichloroethylene at a maximum rate of 0.0039 Tons per hour of make-up solvent added. Emissions are controlled by a Freeboard Refrigeration system, and exhausting to stack S21. This system is operated in accordance with 40 CFR Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning.

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

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

D.1.1 Volatile Organic Compound (VOC) [326 IAC 2-3] [326 IAC 2-7]

Total input of volatile organic compounds (VOC) for all operations at this facility, including coatings, dilution solvents, and cleaning solvent, shall be limited to less than twenty-five (25) tons per 12 consecutive month period.

Therefore, the requirements of Emission Offset (326 IAC 2-3), and the Part 70 Operating Permit Program (326 IAC 2-7) do not apply.

D.1.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1-1] [326 IAC 2-7]
Hazardous Air Pollutants (HAPs) shall be limited as follows:

(a) Total input of any one (1) single hazardous air pollutant (HAP) for all operations at this facility shall be limited to less than ten (10) tons per 12 consecutive month period.

(b) Total input of any combination of HAPs for all operations at this facility shall be limited to less than twenty-five (25) tons per 12 consecutive month period.

Therefore, the requirements for Major Sources of Hazardous Air Pollutants (326 IAC 2-4.1-1) and the Part 70 Operating Permit Program (326 IAC 2-7) do not apply.

D.1.3 Volatile Organic Compound (VOC) [326 IAC 8-3-3]

Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreaser Operations) for open top vapor degreaser operations constructed after July 1, 1990, the owner or operator shall:

(1) Equip the vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;

(2) Keep the cover closed at all times except when processing workloads through the degreaser;

(3) Minimize solvent carryout by:
  (A) racking parts to allow complete drainage;
  (B) moving parts in and out of the degreaser at less than 3.3 meters per minute (eleven (11) feet per minute);
  (C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  (D) tipping out any pools of solvent on the cleaned parts before removal; and

(E) allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;

(4) Not degrease porous or absorbent materials, such as cloth, leather, wood or rope;

(5) Not occupy more than half of the degreaser's open top area with the workload;

(6) Not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;

(7) Never spray above the vapor level;

(8) Repair solvent leaks immediately, or shut down the degreaser;

(9) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, such that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

(10) Not use workplace fans near the degreaser opening;

(11) Not allow visually detectable water in the solvent exiting the water separator; and

(12) Provide a permanent, conspicuous label summarizing the operating requirements.

D.1.4 Volatile Organic Compound (VOC) [326 IAC 8-3-6]

Pursuant to 326 IAC 8-3-1 (Applicability), the Open Top Vapor Degreaser is subject to the requirements of 326 IAC 8-3-6(a) and (b) (Open Top Vapor Degreaser Operation and Control).

(a) Pursuant to 326 IAC 8-3-6 (a) and (b) (Open top vapor degreaser operation and control requirements), the owner or operator of a cold cleaner degreaser facility construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover that can be opened and closed easily without disturbing the vapor zone.

(2) Equip the degreaser with the following switches:

(A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.

(B) A spray safety switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).

(3) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) Equip the degreaser with one (1) of the following control devices:

(A) A freeboard ratio of seventy-five hundredths (0.75) or greater and a powered cover if the degreaser opening is greater than one (1) square meter (ten and eight-tenths (10.8) square feet).

(B) A refrigerated chiller.

(C) An enclosed design in which the cover opens only when the article is actually entering or exiting the degreaser.

(D) A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty (50) cubic feet per minute per square foot) of air to vapor interface area and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.

(E) Other systems of demonstrated equivalent or better control as those outlined in clauses (A) through (D). Such systems shall be submitted to the U.S. EPA as a SIP revision.

(c) The owner or operator of an open top vapor degreaser shall ensure that the following operating requirements are met:

(1) Keep the cover closed at all times except when processing workloads through the degreaser.

(2) Minimize solvent carryout emissions by:

(A) racking articles to allow complete drainage;

(B) moving articles in and out of the degreaser at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute);

(C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;

(D) tipping out any pools of solvent on the cleaned articles before removal; and

(E) allowing articles to dry within the degreaser for at least fifteen (15) seconds or until visually dry.

(3) Prohibit the entrance into the degreaser of porous or absorbent materials such as, but not limited to, cloth, leather, wood, or rope.

(4) Prohibit occupation of more than one-half (1/2) of the degreaser's open top area with the workload.

(5) Prohibit the loading of the degreaser to the point where the vapor level would drop more than ten (10) centimeters (four (4) inches) when the workload is removed.

(6) Prohibit solvent spraying above the vapor level.

(7) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.

(8) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

(9) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration requirements.

(10) Prohibit the use of workplace fans near the degreaser opening.

(11) Prohibit visually detectable water in the solvent exiting the water separator.

D.1.5 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the Open Top Vapor Degreaser described in this section except when otherwise specified in 40 CFR Part 63, Subpart T.

D.1.6 Halogenated Solvent Cleaning Machine NESHAP [40 CFR Part 63, Subpart T]

This Open Top Vapor Degreaser is subject to 40 CFR Part 63, Subpart T, (Halogenated Solvent Cleaning Machine NESHAP), which is incorporated by reference as 326 IAC 20-6-1. A copy of the rule is attached.

(a) That pursuant to 40 CFR 63.463(a) and (b), the Permittee shall conform to the following design requirements:

(1) The cleaning machine shall be designed or operated such that, it has an idling and downtime mode cover, as described in 40 CFR 63.463(d)(1)(i), that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects.

(2) The cleaning machine shall be employed with a control combination of working-mode cover, freeboard refrigeration device, freeboard ratio of 1.0, superheated vapor, and dwell.

(b) That pursuant to 40 CFR 63.463(d), the following work and operational practice requirements for the degreasing operation are applicable:

(1) Control air disturbances across the cleaning machine opening(s) by placing cover(s) to the solvent cleaning machine during the idling mode and the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place.

(2) The parts baskets or the parts being cleaned in the cleaning machine shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.

(3) Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air.

(4) Parts shall be oriented so that the solvents drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine unless an equally effective approach has been approved by the commissioner.

(5) Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped.

(6) During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater.

(7) During shutdown of each vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.

(8) When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leak proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

(9) Each solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the commissioner's satisfaction to achieve the same or better results as those recommended by the manufacturer.

(10) Each operator of a solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in appendix B of 40 CFR 63, if requested during an inspection by the commissioner.

(11) Waste solvents, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.

(12) Sponges, fabric, wood, and paper products shall not be cleaned.

(d) That pursuant to 40 CFR 63.463(e), the Permittee shall comply with the following requirements:

(1) The Permittee shall conduct monitoring of each control device used to comply with §63.463 as provided in 40 CFR63.466, monitoring procedures.

(2) Determine during each monitoring period if the control device used to comply with the above standards meets the following requirements:

(A) The Permittee shall ensure that the chilled air blanket temperature (in %F), measured at the center of the air blanket of the freeboard refrigeration device is no greater than 30% of the solvent's boiling point.

(B) When using a working-mode cover the Permittee shall:

(i) ensure that the cover opens only for part entrance and removal and completely covers the cleaning machine openings when closed.

(ii) ensure that the working-mode cover is maintained free of cracks, holes, and other defects.

(C) When using an idling-mode cover the Permittee shall:

(i) ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

(ii) ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

(D) When using a dwell the Permittee shall:

(i) determine the appropriate dwell time for each type of part or parts basket, or determine the maximum dwell time using the most complex part type or parts basket, as described in 40 CFR 63.465.

(ii) ensure that, after cleaning, each part is held in the solvent cleaning machine freeboard area above the vapor zone for the dwell time determined for that particular part or parts basket, or for the maximum dwell time determined using the most complex part type or parts basket.

(E) When using a superheated vapor system the Permittee shall:

(i) ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10°F above the solvent's boiling point.

(ii) ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system are followed.

(iii) ensure that parts remain within the superheated vapor for at least the minimum proper dwell time.

(3) An exceedance has occurred if :

(A) the requirements of paragraphs (c)(2)(B)(ii), (c)(2)(C)(i), (c)(2)(D)(i), (c)(2)(E), (c)(2)(F)(ii), (c)(2)(G)(ii), and (c)(2)(G)(iii) of this condition are not met; and

(B) the requirements of paragraphs (c)(2)(A), (c)(2)(B)(i), (c)(2)(C)(ii), (c)(2)(D)(ii), (c)(2)(F)(i), and (c)(2)(G)(i) of this condition have not been met and are not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameters must be remeasured immediately upon adjustment or repair and demonstrated to be within the required limits.

(4) the owner or operator shall report all Exceedances and all corrections and adjustments made to avoid an exceedance as specified in 40 CFR 63.468.

D.1.7 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for the Freeboard Refrigeration Device on the Open Top Vapor Degreaser.

Compliance Determination Requirements [326 IAC 2-1.1-11] [326 IAC 2-8- 5(a)(1)&(4)]

D.1.8 Testing Requirements [326 IAC 2-1.1-11] [326 IAC 2-8-5(a)(1)&(4)] [40 CFR 63.465]

The Permittee is not required to test this facility by this permit or by 40 CFR Part 63; 40 CFR 63.465 Test Methods. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance.

(a) The Permittee shall determine the appropriate dwell time for each part or parts basket using the procedure as follows:

(1) Determine the amount of time for the part or parts basket to cease dripping once placed in the vapor zone. The part or the parts basket used for this determination must be at room temperatures before being placed in the vapor zone.

(2) The proper dwell time for the parts to remain in the freeboard area above the vapor zone is no less than 35 percent of the time determined in paragraph (1) above.

Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

D.1.9 Volatile Organic Compounds (VOC) Emissions

Compliance with Condition D.1.1 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period.

D.1.10 Hazardous Air Pollutants (HAPs) Emissions

Compliance with Condition D.1.2 shall be demonstrated within 30 days of the end of each month based on the total amount of trichloroethylene used and sent off site for disposal in tons for the most recent twelve (12) month period.

D.1.11 Monitoring Procedures [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

That pursuant to 40 CFR 63.466 the Permittee shall comply with the following monitoring procedures:

(a) The Permittee shall conduct monitoring and record the results on a weekly basis for the control devices, as appropriate, specified in paragraph(s) below:

(1) The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket of the freeboard refrigeration device, during the idling mode.

(2) The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.

(b) The Permittee shall conduct monitoring and record the results on a monthly basis for the control devices, as appropriate, specified in paragraph below:

(1) The Permittee shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) The Permittee shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning.

(c) The Permittee shall monitor the hoist speed as described below:

(1) The Permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes.

(2) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the Permittee may begin monitoring the hoist speed quarterly.

(3) If the exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to the monthly until another year of compliance without an exceedance is demonstrated.

(4) If the Permittee can demonstrate to the commissioner's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

Record Keeping and Reporting Requirements [326 IAC 2-8-5(3)] [326 IAC 2-8-19]

D.1.12 Record Keeping Requirements

(a) The Permittee shall maintain, in written or electronic form, records of the following information specified below, for the lifetime of the machine,

(1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.

(2) The date of installation of the solvent cleaning machine and all of its control devices. If the exact date of the installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.

(3) Records of the test required in 40 CFR 63.465(d) to determine an appropriate dwell time for each part or parts basket.

(4) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine.

(b) The Permittee shall maintain, in written or electronic form, records of the following information specified below for a period of 5 years:

(1) The results of control device monitoring required under 40 CFR 63.466.

(2) Information on the actions taken to comply with 40 CFR 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(3) Estimates of annual solvent consumption for each solvent cleaning machine.

(c) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the volatile organic compound (VOC) emission limits established in D.1.1.

(1) The total trichloroethylene usage (in tons) and the total trichloroethylene sent off site for disposal (in tons) per month.

(2) The total tons of VOCs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period which includes the most recent month and the previous eleven (11) months.

(d) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the hazardous air pollutant (HAP) emission limits established in D.1.2.

(1) The total trichloroethylene usage (in tons) and total trichloroethylene sent off site for disposal (in tons) per month.

(2) The total tons of HAPs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period which includes the most recent month and the previous eleven (11) months.

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

D.1.13 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.1.1, D.1.2, and D.1.12 (c) and (d) shall be submitted to the addresses listed in Section C – General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee requires the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

A summary of the information to document compliance with Condition D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, and to the following address:

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) An initial notification report for batch cold cleaners was submitted on June 8, 2001.

(c) An initial statement of compliance for machines complying with the equipment standard was submitted on June 8, 2001.

(d) The Permittee shall submit an annual report by February 1 of each year following the one for which the reporting is being made. This report shall include the requirements as follows:

(1) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper

operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR 63.463(d)(10)."

(2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.

(e) The Permittee shall submit an exceedance report to the commissioner semiannually except when, the commissioner determines, on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency under paragraph 40 CFR 63.468 (i) of this section is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information as given below:

(1) Information on the actions taken to comply with 40 CFR 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

(3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

(f) That pursuant to 40 CFR 63.463 (i), the Permittee who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the following conditions are met:

(1) The source has demonstrated a full year of compliance without an exceedance.

(2) The Permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in Subpart A (General Provisions) and in 40 CFR 63, Subpart T.

(3) The commissioner does not object to a reduced frequency of reporting for the affected source as provided in paragraphs (e)(3)(III) of Subpart A (General Provisions) of 40 CFR 63.

The Permittee of a solvent cleaning machine requesting an equivalency determination, as described in 40 CFR 63.469 shall submit an equivalency request report to the commissioner and receive an approval prior to startup.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Portable Lift Manufacturing Operation including:

One (1) Spray Paint Booth, identified as E01, constructed in September 1986, used for surface coating the portable lifts. The paint used is Carbit Paint Company 79E32 Aluminum A.D. Enamel. The maximum rate of paint usage is 0.869 gal/hr. Particulate overspray is controlled by filters prior to exhausting to stack S01.

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

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

D.2.1 Volatile Organic Compound (VOC) [326 IAC 2-3] [326 IAC 2-7]

Total input of volatile organic compounds (VOC) for all operations at this facility, including coatings, dilution solvents, and cleaning solvent, shall be limited to less than twenty-five (25) tons per 12 consecutive month period.

Therefore, the requirements of Emission Offset (326 IAC 2-3), and the Part 70 Operating Permit Program (326 IAC 2-7) do not apply.

D.2.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1-1] [326 IAC 2-7]
Hazardous Air Pollutants (HAPs) shall be limited as follows:

(a) Total input of any one (1) single hazardous air pollutant (HAP) for all operations at this facility shall be limited to less than ten (10) tons per 12 consecutive month period.

(b) Total input of any combination of HAPs for all operations at this facility shall be limited to less than twenty-five (25) tons per 12 consecutive month period.

Therefore, the requirements for Major Sources of Hazardous Air Pollutants (326 IAC 2-4.1-1) and the Part 70 Operating Permit Program (326 IAC 2-7) do not apply.

D.2.3 Particulate Matter (PM) [326 IAC 2-1.1-10 Local Agencies] [326 IAC 2-7-1(39) Definition – Technology-based Emission Limit] and [326 IAC 6-3-2]

Pursuant to the Hammond Ordinance No. 7102 which uses as a minimum the standards found in Title 326 of the Indiana Administrative Code, the PM emissions from the Spray Paint Booth shall not exceed 0.348 tons per year or 0.079 pounds per hour. This is a technology-based emission limit based on the particulate filter specifications from the permittee's FESOP application and the potential emissions after controls as calculated by the permittee and the Hammond Department of Environmental Management.

Pursuant to 326 IAC 6-3-2(c) (Process Operations) particulate matter emissions shall not exceed 0.088 pounds per hour based on the Maximum Process Weight of 0.00326 Tons per hour as determined below.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

P = 0.00326 Tons per hour

E = 4.10 X (P^0.67)
E = 4.10 X (0.00326^0.67) = 0.088 pounds per hour

D.2.4 Particulate Matter less than 10 microns in diameter (PM10)

Pursuant to the Hammond Air Quality Control Ordinance No. 3522 (as amended), PM10 emissions limit shall be set equal to the PM emission limit. PM10 emissions from the Spray Paint Booth shall not exceed 0.348 tons per year or 0.079 pounds per hour.

D.2.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Condition B.13 of this permit, is required for the particulate filters on the Spray Paint Booth.

Compliance Determination Requirements [326 IAC 2-1.1-11] [326 IAC 2-8- 5(a)(1)&(4)]

D.2.6 Testing Requirements [326 IAC 2-1.1-11] [326 IAC 2-8-5(a)(1)&(4)] [40 CFR 63.465]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance.

Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

D.2.7 Volatile Organic Compounds (VOC) Emissions

Compliance with Condition D.2.1 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period.

D.2.8 Hazardous Air Pollutants (HAPs) Emissions
Compliance with Condition D.2.2 shall be demonstrated within 30 days of the end of each month based on the total amount of the single most used hazardous air pollutant and the total amount of the combination of all hazardous air pollutants used for the most recent twelve (12) month period.

D.2.9 Particulate Matter (PM)

Compliance with the PM limitations of Condition D.2.3 shall be determined by meeting all of the following requirements:

(a) The particulate filters shall be operating at all times when the Spray Paint Booth is in operation.

(b) The particulate filters shall be maintained, at a minimum, according to the manufacturer's specifications.

(c) All of the Compliance Monitoring and Record Keeping Requirements for the particulate filters shall be up to date, complete, and sufficient to establish compliance.

D.2.10 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the particulate filters, weekly observations shall be made of the overspray from the Spray Paint Booth stack S01 while the booth is in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C – Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

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

Record Keeping and Reporting Requirements [326 IAC 2-8-5(3)] [326 IAC 2-8-19]

D.2.11 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the volatile organic compound (VOC) emission limits established in D.2.1.

(1) The total quantity of paint used (in gallons) per month.

(2) The total tons of VOCs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months.

(b) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the hazardous air pollutant (HAP) emission limits established in D.2.2.

(1) The total quantity of paint used (in gallons) per month.

(2) The total tons of HAPs emitted for each compliance period. Each compliance period shall be the consecutive twelve (12) month period that includes the most recent month and the previous eleven (11) months.

(c) To document compliance with Condition D.2.10, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

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

D.2.12 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.2.1, D.2.2, and D.2.11 (a) and (b) shall be submitted to the addresses listed in Section C – General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee requires the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

and

HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 – 143rd Street, Hammond, Indiana 46327
Mailing Address: (same)
FESOP No.: **F089-12965-00247**

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

Please check what document is being certified:

_ Annual Compliance Certification Letter

_ Test Result (specify)

_ Report (specify)

_ Notification (specify)

_ Affidavit (specify)

_ Other (specify)

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

and

Hammond Department of Environmental Management
-Air Pollution Control Division-
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320
Phone: 219-853-6306
Fax: 219-853-6343

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 – 143rd Street, Hammond, Indiana 46327
Mailing Address: (same)
FESOP No.: **F089-12965-00247**

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

__ This is an emergency as defined in 326 IAC 2-7-1(12)
· The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1- 800-451-6027 or 317-233-5674, ask for Compliance Section); and
· The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), 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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-
Compliance Monitoring Form

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 - 143rd Street, Hammond, Indiana 46327
FESOP No.: **F089-12965-00247**
Limit: **Less than 25 Tons per year VOC, 12 month rolling total**
Less than 10 Tons per year single HAP; less than 25 Tons per year combined HAPs, 12 month rolling total

Reporting Month: _____ Year: _____

Parameter	Quantity	VOC Emissions (Tons)	HAPs Emissions (Tons)
Open Top Vapor Degreaser			
Total Month's usage of trichloroethylene (Tons)		----------	----------
Total Tons sent off for disposal		----------	----------
Total Emissions for the month (quantity Used - quantity disposed of)	----------		
Paint Spray Booth			
Total Quantity of Paint Used for the Month		----------	----------
VOC Emissions (Paint usage gal x 5.7 lbs/gal ÷ 2000)	----------		----------
Toluene Emissions (Paint usage gal x 3.3 ÷ 2000)	----------	----------	
Xylene Emissions (Paint usage gal x 0.15 ÷ 2000)	----------	----------	
Total Month Emissions			
Add VOC and HAPs emissions from the Degreaser and Paint Booth	----------		

__ No deviations occurred this month

__ Deviation(s) occurred this month.
Deviation(s) has been reported on: _____

__ Attached are supporting documentation

Submitted by (Name & Title): _____

Signature: _____ Date: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

VOC Compliance Monitoring Form

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 - 143rd Street, Hammond, Indiana 46327
Mailing Address: (same)
FESOP No.: **F089-12965-00247**
Limit: **Less than 25 Tons per year; 12 month rolling total**

Reporting Quarter: _____ Year: _____

Month	VOC Usage This Month	VOC Usage Previous 11 Months	VOC Usage 12 Month Total

_ No deviation occurred in this month.

_ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

A certification is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

HAPs Compliance Monitoring Form

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 - 143rd Street, Hammond, Indiana 46327
Mailing Address: (same)
FESOP No.: **F089-12965-00247**
Limit: **Less than 10 Tons per year single HAP; less than 25 Tons per year combined HAPs; 12 month rolling total**

Reporting Quarter: _____ Year: _____

Month	Single HAP Usage This Month	Single HAP Usage Previous 11 Months	Single HAP Usage 12 Month Total

Month	Total HAPs Usage This Month	Total HAPs Usage Previous 11 Months	Total HAPs Usage 12 Month Total

_ No deviation occurred in this month.

_ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

A certification is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
HAMMOND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
-AIR POLLUTION CONTROL DIVISION-

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: **Vermette Machine Company, Inc.**
Source Address: 7 – 143rd Street, Hammond, Indiana 46320
Mailing Address: (same)
FESOP No.: **F089-12965-00247**

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

and

Hammond Department of Environmental Management

Addendum to the
Technical Support Document for Federally Enforceable State Operating Permit (FESOP) Renewal

Vermette Machine Company, Inc.
7 – 143rd Street
Hammond, Indiana 46327

F089-12965, Plt ID-089-00247

On November 9, 2001, the Hammond Department of Environmental Management (HDEM) had a notice published in the Times, Hammond, Indiana, stating that Vermette Machine Company, Inc. had applied for a Federally Enforceable State Operating Permit (FESOP) Renewal to operate a Portable Lift Manufacturing Plant with control. The notice also stated that HDEM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On November 16, 2001, IDEM asked that the following change be made to the proposed FESOP Renewal.

1. On the cover page of the FESOP Renewal "INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT" has been added above where it says OFFICE OF AIR QUALITY. Also the reference to "COMPLIANCE DATA SECTION" has been removed from the Certification form since the form is used for multiple purposes.

On December 1, 2001, IDEM asked that the following changes be made to all FESOP Renewal's to correct deficiencies identified by EPA and agreements from the CASE coalition group.

1. Prompt Reporting of Deviations:
The IDEM, OAQ has revised Condition B.15 (Deviations from Permit Requirements and Conditions) to address concerns regarding the independent enforceability of permit conditions [see 326 IAC 2-8-4(5)]. Condition B.15 was revised to remove language that could be considered to grant exemptions from permit requirements and to clarify reporting obligations.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. ~~Deviations that are required to be reported by an applicable requirement~~ **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 ~~do~~ **does** not need to be included in this report.

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

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit**.** ~~or a rule. It does not include:~~

~~(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or~~

~~(2) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.~~

~~A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.~~

(c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

2. Certification:

326 IAC 2-8-3 requires any application form, report, or compliance certification to be certified by the Authorized Individual. IDEM, OAQ has revised Condition C.8 (Asbestos Abatement Projects) to clarify that the asbestos notification does not require a certification by the authorized individual, but it does need to be certified by the owner or operator. IDEM, OAQ has revised Condition C.16 (Actions Related to Noncompliance Demonstrated by a Stack Test); a certification by the authorized individual is required for the notification sent in response to non-compliance with a stack test.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work

or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue – Room 304
Hammond, Indiana 46320

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 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) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

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

The documents submitted pursuant to this condition do ~~not~~ require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

3. Excuse from Monitoring Failures:

The IDEM, OAQ has restructured Condition C.15 (Compliance Monitoring Plan - Failure to Take Response Steps) to clarify the contents and implementation of the compliance response plan. The name of the condition has been changed to better reflect the contents of the condition. The language regarding the OAQ's discretion to excuse failure to perform monitoring under certain conditions has been deleted. The OAQ retains this discretion to excuse minor incidents of missing data; however, it is not necessary to state criteria regarding the exercise of that discretion in the permit.

The change in condition name Compliance ~~Monitoring~~ **Response** Plan - ~~Failure to Take Response Steps~~ **Preparation, Implementation, Records, and Reports** has also been made within Condition D.2.10 Monitoring.

C.15 Compliance ~~Monitoring~~ **Response** Plan - ~~Failure to Take Response Steps~~ **Preparation, Implementation, Records, and Reports** [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to **prepare** ~~implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. The compliance monitoring plan can be either an entirely new document, consist in whole of information contained in other documents, or consist of a combination of new information and information contained in other documents. If the compliance monitoring plan incorporates by reference information contained in other documents, the Permittee shall identify as part of the compliance monitoring plan the documents in which the information is found. The elements of the compliance monitoring plan are:~~

~~(1) This condition;~~

~~(2) The Compliance Determination Requirements in Section D of this permit;~~

~~(3) The Compliance Monitoring Requirements in Section D of this permit;~~

~~(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and~~

~~(5) A~~ **a** Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. **A** CRP~~'s~~ shall be submitted to IDEM, OAQ and HDEM upon request ~~and shall be subject to review and approval by IDEM, OAQ and HDEM~~. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee**, supplemented from time to time by the Permittee,** ~~and~~ maintained on site, and ~~is~~ comprised of:

(~~A~~**1**) Reasonable response steps that may be implemented in the event that ~~compliance related information indicates that~~ a response step is needed pursuant to the requirements of Section D of this permit; and **an expected timeframe for taking reasonable response steps.**

~~(B) A time schedule for taking reasonable response steps including a schedule for devising additional response steps for situations that may not have been predicted.~~

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

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition **as follows:** ~~. Failure to take reasonable response steps may constitute a violation of the permit.~~

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

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

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

(c) ~~Upon investigation of a compliance monitoring excursion, the~~ **The** Permittee is ~~excused from taking~~ **not required to take any** further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment **and**~~.~~ ~~This shall be an excuse from taking further response steps providing that~~ prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously

submitted a request for an administrative amendment to the permit, and such request has not been denied.

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

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

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

~~(d)~~**(e)** ~~Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken.~~ **The Permittee shall record all instances when response steps are taken.** In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

~~(e)~~**(f) Except as otherwise provided by a rule or provided specifically in Section D,** ~~All~~ **all** monitoring **as** required in Section D shall be performed ~~at all times~~ **when** the ~~equipment~~ **emission unit** is operating**, except for time necessary to perform quality assurance and maintenance activities**. ~~If monitoring is required by Section D and the equipment is not operating, then the Permittee may record the fact that the equipment is not operating or perform the required monitoring.~~

~~(f) At its discretion, IDEM may excuse the Permittee's failure to perform the monitoring and record keeping as required by Section D, if the Permittee provides adequate justification and documents that such failures do not exceed five percent (5%) of the operating time in any quarter. Temporary, unscheduled unavailability of qualified staff shall be considered a valid reason for failure to perform the monitoring or record keeping requirements in Section D.~~

D.2.10 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the particulate filters, weekly observations shall be made of the overspray from the Spray Paint Booth stack S01 while the booth is in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance ~~Monitoring~~ **Response** Plan - ~~Failure to Take Response Steps~~ **Preparation, Implementation, Records, and Reports**, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance ~~Monitoring~~ **Response** Plan - ~~Failure to Take Response Steps~~ **Preparation, Implementation, Records, and Reports**, shall be considered a violation of this permit.

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

Several conditions were modified by removing language stating that the condition was not federally enforceable. Federal law states that failure to comply with any permit condition issued under a program that has been approved into a State Implementation Plan (SIP) is to be treated as a violation of the SIP (40 CFR 52.23). This has the effect of making all FESOP conditions federally enforceable. Indiana's FESOP program was approved as a part of Indiana's SIP at 40 CFR 52.788. Neither the program nor the underlying rule, 326 IAC 2-8 contains provisions for designating certain conditions as not federally enforceable.

On December 7, 2001, IDEM asked that the following changes be made to the proposed FESOP Renewal.

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. ~~326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.~~

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

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

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.~~

The following updates have been made to incorporate the Article 2 rule revisions that were adopted on October 3, 2001, and become effective on January 19, 2002. For more information about this rulemaking, refer to the October 2001 Air Pollution Control Board Packet which can be found on the internet at http://www.state.in.us/idem/air/rules/apcb/packets/index.html. The rule revisions will be published in the February 1, 2002 Indiana Register which can be found on the internet at http://www.IN.gov/legislative/register/index-25.html.

1. Add the new rule cite to B.2 Permit Term

B.3 Permit Term [326 IAC 2-8-4(2)] **[326 IAC 2-1.1-9.5]**

This permit is issued for a fixed term of five (5) years from the original date, 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.

2. B.14 Emergency Provisions (a)(b) and (g) have been revised to reflect rule changes to 326 IAC 2-8-5.

B.14 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation~~, except as provided in 326 IAC 2-8-12~~.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a ~~health-based or~~ technology-based emission

limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

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

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

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

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and HDEM within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM:
Telephone No.: 1-800-451-6027
(ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

and

HDEM:
Telephone No.: 219-853-6306
Facsimile No.: 219-853-6343

Failure to notify IDEM, OAQ and HDEM by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Hammond Department of Environmental Management
Air Pollution Control Division
5925 Calumet Avenue - Room 304
Hammond, Indiana 46320

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

(e) IDEM, OAQ and may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ and HDEM by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) ~~Operations may continue during an emergency only if the following conditions are met:~~

~~(1)~~ If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

~~(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:~~

~~(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and~~

~~(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.~~

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

3. A.5 Prior Permit Conditions was modified to help clarify the intent of the new rule 326 IAC 2-1.1-9.5.

A.5 Prior Permit**s** ~~Conditions~~ **Superseded [326 IAC 2-1.1-9.5]**

(a) ~~This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.~~
All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) ~~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, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ and HDEM 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.~~
All previous registrations and permits are superseded by this permit.

Indiana Department of Environmental Management
Office of Air Quality
and
Hammond Department of Environmental Management
-Air Pollution Control Division-

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

Source Background and Description

Source Name:	**Vermette Machine Company, Inc.**
Source Location:	7 – 143rd Street, Hammond, Indiana 46327
County:	Lake
SIC Code:	3537 - Industrial Trucks & Tractors
Operation Permit No.:	F089-12965-00247
Permit Reviewer:	Debra Malone, HDEM

The Hammond Department of Environmental Management (HDEM) has reviewed a FESOP renewal application from Vermette Machine Company, Inc. relating to the operation of a **Portable Material Lift Manufacturing Operation**. Vermette Machine Company, Inc. was issued FESOP 089-6997-00247 on December 9, 1996.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

Portable Lift Manufacturing Operation that includes:

(a) One (1) Open Top Vapor Degreaser, identified as E21, constructed in May 29, 1991, used to clean metal parts used in the fabrication of portable material lifts. The solvent used is trichloroethylene at a maximum rate of 0.0039 Tons per hour of make-up solvent added. Emissions are controlled by a Freeboard Refrigeration system, and exhausting to stack S21. This system is operated in accordance with 40 CFR Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning.

(b) One (1) Spray Paint Booth, identified as E01, constructed in September 1986, used for surface coating the portable lifts. The paint used is Carbit Paint Company 79E32 Aluminum A.D. Enamel. The maximum rate of paint usage is 0.869 gal/hr. Particulate overspray is controlled by filters prior to exhausting to stack S01.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted facilities operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Nineteen (19) natural gas-fired space heaters with a combined maximum design capacity of 3.91 MMBtu/hr heat input.

(b) Three (3) welding stations for the welding of metal using 70S3 wire.

(c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(d) Machining where an aqueous cutting coolant continuously floods the machining interface.

(e) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(f) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(g) Paved and unpaved roads and parking lots with public access.

(h) Filter or coalescer media changeout.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

(a) F089-6997-00247, issued on December 9, 1996; and

(b) AAF089-10895-00247 issued on May 3, 1999.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

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

An administratively complete FESOP Renewal application for the purposes of this review was received on November 17, 2000.

There was no notice of completeness letter mailed to the source.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (pages 1 through 4).

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Potential To Emit (tons/year)
PM	8.4689
PM-10	8.4689
SO_2	0.0098
VOC	56.0537
CO	1.3701
NO_x	1.6310

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential To Emit (tons/year)
TOTAL HAPS	47.4041

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of VOC are equal to or greater than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) 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 2-1.1-1(16)) of a combination HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The source, issued a FESOP on December 9, 1996, has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of this Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit. Since the source has not constructed any new emission units, the source's potential to emit is based on the emission units included in the original FESOP. (F089-6997-00247; issued on December 9, 1996).

	Potential to Emit After Issuance (tons/year)						
Process/emission unit	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Total PTE After Issuance	1	1	N/A	25	N/A	N/A	25

PM and PM10 emissions are limited to the source's potential emissions (after controls), raised to the next whole number.

VOC emissions are limited to less than 25 tons per year.

HAPs emissions are limited to less than 10 tons per year of any individual HAP and less than 25 tons per year of the combination of HAPs.

SO2, NOx, and CO emissions are negligible.

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	Moderate Nonattainment
SO_2	Primary Nonattainment
NO_2	Unclassifiable/Attainment
Ozone	Severe Nonattainment
CO	Unclassifiable/Attainment
Lead	Attainment

40 CFR Part 81.315 Indiana

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.

(b) The Open Top Vapor Degreaser is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, 40 CFR Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning because it is a batch vapor cleaning machine that uses the halogenated solvent containing trichloroethylene (CAS No. 79-01-6) in a total concentration greater than 5 percent by weight, as a cleaning agent. The concentration of this solvent may be determined using EPA test method 18, material safety data sheets, or engineering calculations. Refer to attached copy of the federal rule, 40 CFR Part 63, Subpart T for exact language.

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart T.

Pursuant to 40 CFR Part 63, Subpart T, and 326 IAC 20-1-1, the open top vapor degreaser is subject to the following conditions:

(1) Except as provided in 40 CFR Part 63.464 (Alternative Standards), each owner or operator of a solvent cleaning machine subject to the provisions of 40 CFR Part 63.463 (Batch vapor and in-line cleaning machine standard) shall ensure that each existing or new batch vapor or in-line solvent cleaning machine subject to the provisions of 40 CFR Part 63.463 conforms to the design requirements specified in paragraphs (a)(1) through (a)(7) of this section.

(2) Except as provided in 40 CFR Part 63.464, (Alternative Standards), each owner or operator of an existing or new batch vapor cleaning machine shall comply with either paragraph (b)(1) or (b)(2) of this section.

(b)(2) Each owner or operator of a batch vapor cleaning machine with a solvent/air interface area greater than 1.21 square meters (13 square feet) shall comply with the requirements specified in either paragraph (b)(2)(i) or (b)(2)(ii) of this section.

(b)(2)(i) Employ one of the control combinations listed in table 2 of this subpart or other equivalent methods of control as determined using the procedure in 40 CFR Part 63.469, equivalent methods of control.

(b)(2)(ii) Demonstrate that their solvent cleaning machine can achieve and maintain an idling emission limit of 0.22 kilograms per hour per square meter (0.045 pounds per hour per square foot) of solvent/air interface area as determined using the procedures in 40 CFR Part 63.465(a) and appendix A of this part.

(3) Except as provided in 40 CFR Part 63.464 for all cleaning machines, each owner or operator of an existing or new batch vapor or in-line solvent cleaning machine shall meet all of the following required work and operational practices specified in paragraphs (d)(1) through (12) of this section as applicable.

(4) Each owner or operator of a solvent cleaning machine complying with paragraph (b), (c), or (g) of this section shall comply with the requirements specified in paragraphs (e)(1) through (4) of this section.

(5) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards in paragraphs (b)(1)(ii), (b)(2)(ii), (c)(1)(ii), or (c)(2)(ii) of this section shall comply with the requirements specified in paragraphs (f)(1) through (f)(5) of this section.

(6) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts, unless the cleaning machine is a continuous web cleaning machine that has a squeegee system or air knife system installed, maintained, and operated on the continuous web machine meeting the requirements of paragraph (e) of this section.

(7) All monitoring procedures, recordkeeping requirements, and reporting requirements shall be followed as stated in sections 63.466, 63.467, and 63.468.

Vermette Machine Company, Inc. is currently meeting all the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 326 IAC 14, 40 CFR Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source has submitted a Preventive Maintenance Plan (PMP) on March 27, 1997. This PMP has been verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it is located in Lake County and has the potential to emit more than ten (10) tons per year of oxides of nitrogen (NOx). Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

The source is in compliance with the required emission statement submittals.

326 IAC 5-1 (Visible Opacity Limitations)

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

(a) Opacity shall not exceed an average of twenty percent (20%) 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.

No violations of the opacity standards have been observed at this source.

State Rule Applicability - Individual Facilities

326 IAC 6-1-2 (Particulate emission limitations)

This rule does not apply to this source because the source does not have potential emissions of 100 tons per year or more or actual emissions of 10 tons per year or more.

326 IAC 6-3-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6-3-2(c) (Process Operations) particulate matter emissions shall not exceed 0.088 pounds per hour based on the Maximum Process Weight of 0.00326 Tons per hour as determined below.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

P = 0.00326 Tons per hour

E = 4.10 X (P^0.67)
E = 4.10 X (0.00326^0.67) = 0.088 pounds per hour

Pursuant to the Hammond Ordinance No. 7102 which uses as a minimum the standards found in Title 326 of the Indiana Administrative Code, the PM emissions from the Spray Paint Booth shall not exceed 0.348 tons per year or 0.079 pounds per hour. This is a technology-based emission limit based on the particulate filter specifications from the permittee's FESOP application and the potential emissions after controls as calculated by the permittee and the Hammond Department of Environmental Management.

As shown by the equation above, the emission limitation based on the particulate filter specifications from the permittee's FESOP application and the potential emissions after controls as calculated by the permittee and the Hammond Department of Environmental Management is more stringent than that using 326 IAC 6-3-2 Particulate Emission Limitations; therefore, the source is in compliance with the rule.

Particulate emissions from the Spray Paint Booth will be governed by Particulate Matter (PM) [326 IAC 2-1.1-10 Local Agencies] [326 IAC 2-7-1(39) Definition – Technology-based Emission Limit].

326 IAC 8-1-6 (New facilities; general reduction requirements)

This rule does not apply to this source because emissions of VOC are limited to less than 25 tons per year.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

This rule does not apply to this source because emissions of VOC are limited to less than 100 tons per year.

326 IAC 8-3-1 (Applicability – Open Top Vapor Degreasers)

Pursuant to 326 IAC 8-3-1(a)(2), new facilities after January 1, 1980, performing organic solvent degreasing operations located anywhere in the state shall comply with Sections 2 through 4 of this rule if applicable.

Pursuant to 326 IAC 8-3-1(b)(2)(1)(B), any new facility, construction of which commences after July 1, 1990, of the types described in subdivision (1) located in any county, shall comply with Sections 5 through 7 of this rule if applicable.

326 IAC 8-3-3 (Open Top Vapor Degreaser Operation)

Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreaser Operations) for open top vapor degreaser operations constructed after July 1, 1990, the owner or operator shall:

(1) Equip the vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;

(2) Keep the cover closed at all times except when processing workloads through the degreaser;

(3) Minimize solvent carryout by:
  (A) racking parts to allow complete drainage;
  (B) moving parts in and out of the degreaser at less than 3.3 meters per minute (eleven (11) feet per minute);
  (C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  (D) tipping out any pools of solvent on the cleaned parts before removal; and
  (E) allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;

(4) Not degrease porous or absorbent materials, such as cloth, leather, wood or rope;

(5) Not occupy more than half of the degreaser's open top area with the workload;

(6) Not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;

(7) Never spray above the vapor level;

(8) Repair solvent leaks immediately, or shut down the degreaser;

(9) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, such that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

(10) Not use workplace fans near the degreaser opening;

(11) Not allow visually detectable water in the solvent exiting the water separator; and

(12) Provide a permanent, conspicuous label summarizing the operating requirements.

326 IAC 8-3-6 (Open Top Vapor Degreaser Operation and Control Requirements)

(a) Pursuant to 326 IAC 8-3-6(a) (Open Top Vapor Degreaser Operation and Control), the owner or operator of an open top vapor degreaser construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover that can be opened and closed easily without disturbing the vapor zone.

(2) Equip the degreaser with the following switches:

(A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.

(B) A spray safety switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).

(3) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) Equip the degreaser with one (1) of the following control devices:

(A) A freeboard ration of seventy-five hundredths (0.75) or greater and a powered cover if the degreaser opening is greater than one (1) square meter (ten and eight-tenths (10.8) square feet).

(B) A refrigerated chiller.

(C) An enclosed design in which the cover opens only when the article is actually entering or exiting the degreaser.

(D) A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty (50) cubic feet per minute per square foot) of air to vapor interface area and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.

(E) Other systems of demonstrated equivalent or better control as those outlined in clauses (A) through (D). Such systems shall be submitted to the U.S. EPA as a SIP revision.

(5) Equip the degreaser with a permanent. Conspicuous label which lists the operating requirements outlined in subsection (b).

(6) Equip the degreaser with one (1) of the following control devices:

(A) A freeboard ratio of seventy-five hundredths (0.75) or greater and a powered cover if the degreasing opening is greater than one (1) square meter (ten and eight-tenths (10.8) square feet).

(7) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(8) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(9) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius ($48.9^{O}C$) (one hundred twenty degrees Fahrenheit ($120^{O}F$)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-6(b) (Open Top Vapor Degreaser Operation and Control), the owner or operator of an open top vapor degreaser construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Keep the cover closed at all times except when processing workloads through the degreaser.

(2) Minimize solvent carryout emissions by:

(A) racking articles to allow complete drainage;

(B) moving articles in and out of the degreaser at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute);

(C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;

(D) tipping out any pools of solvent on the cleaned articles before removal; and

(E) allowing articles to dry within the degreaser for at least fifteen (15) seconds or until visually dry.

(3) Prohibit the entrance into the degreaser of porous or absorbent materials such as, but not limited to, cloth, leather, wood, or rope.

(4) Prohibit occupation of more than one-half (1/2) of the degreaser's open top area with the workload.

(5) Prohibit the loading of the degreaser to the point where the vapor level would drop more than ten (10) centimeters (four (4) inches) when the workload is removed.

(6) Prohibit solvent spraying above the vapor level.

(7) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.

(8) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

(9) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration requirements.

(10) Prohibit the use of workplace fans near the degreaser opening.

(11) Prohibit visually detectable water in the solvent exiting the water separator.

Testing Requirements

The Permittee is not required to test these facilities by this permit. However, IDEM or HDEM may require compliance testing at any specific time when necessary to determine if these facilities are in compliance.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

All compliance requirements from previous approvals were incorporated into this FESOP. The compliance monitoring requirements applicable to this source are as follows:

1. The Open Top Vapor Degreaser has applicable compliance monitoring conditions as specified below:

(a) The Freeboard Refrigeration System shall be maintained in proper operating condition as recommended by the manufacturer and shall be in operation at all times when the degreasing unit is in operation.

(b) The Open Top Vapor Degreaser shall be operated in accordance with the requirements of 326 IAC 8-3-3 (Open Top Vapor Degreaser Operation), 326 IAC 8-3-6 (a) & (b) (Open Top Vapor Degreaser Operation and Control) and 40 CFR, Part 63, Subpart T – National Emission Standards for Halogenated Solvent Cleaning.

(c) Monthly records of the following process parameters shall be maintained and submitted on the form attached to demonstrate compliance with the applicable emission limitations:

1) Total Trichloroethylene used.

2) Total Trichloroethylene sent off site for disposal.

3) Total quantity of paint used.

(d) The dry filters for particulate matter overspray control shall be maintained in accordance with the manufacturer's recommendations and shall be in operation at all times when the paint booth is in operation.

(e) Monthly reports shall be submitted to HDEM and OAQ, Compliance Section. These reports shall include the above process parameters.

These monitoring conditions are necessary to ensure compliance with the requirements of 326 IAC 2-8 (FESOP).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 188 hazardous air pollutants (HAPs) set out in the 1990 Clean Air Act. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Quality (OAQ) FESOP Application Form GSD-08.

(a) This source will emit levels of air toxics greater than those that constitute major source applicability according to Section 112 of the 1990 Clean Air Act.

(b) See attached calculations for detailed air toxic calculations. (Pages 1 through 4).

This source has accepted federally enforceable air toxic emission limits of less than 10 tons per year for any single HAP and less than 25 tons per year for any combination of HAPs.

Conclusion

The operation of this **Portable Material Lift Manufacturing Operation** shall be subject to the conditions of the attached proposed **(FESOP No.: F089-12965-00247).**

Plant ID: 00247
Company Name: Vermette Machine Company, Inc.
Address: 7 - 143rd Street, Hammond, Indiana 46320 - 1395

Calculations By: Kristina Massey
Modified 4/11/01- DM

NO. OF POINTS: 3
NO. OF SEGMENTS: 3

NOTES
EF: EMISSION FACTOR
CE: CONTROL EFFICIENCY
MDR: MAXIMUM DESIGN RATE
MDC: MAXIMUM DESIGN CAPACITY
Ts: STACK DISCHARGE TEMPERATURE
UNITS FOR EMISSIONS ARE IN (TPY) EXCEPT WHERE GIVEN

E21: Open Top Vapor Degreaser

Manufacturer: Ultra-Kool Corp.
(trichloroethylene)
CNTRL DEV: Freeboard Refrigeration Device

MDR (T Make-up Solvent/hr): 0.0039
YEARLY PROD (T/yr): 4.22

STACK ID (DIAM:HEIGHT): S21
FLOWRATE (ACFM): N/A
Ts(°F): N/A

PERMITTED OPERATING HRS: **8760** hr/yr

			POTENTIAL TO EMIT (PTE)						PERMIT LIMIT		2000 ACTUAL	
SCC #4-01-002-05			BEFORE CONTROLS			AFTER CONTROLS					BEFORE	AFTER
POLLUTANT	EF(LB/T)	CE (%)	(lbs/hr)	(lbs/day)	**(TPY)**	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)	CONTROLS	CONTROLS
PM	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	#VALUE!	0.000	0.000	0.0000	0.0000
PM10	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	#VALUE!	0.000	0.000	0.0000	0.0000
SOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.000	0.000	0.0000	0.0000
NOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.000	0.000	0.0000	0.0000
VOC	2000	0.5	7.8239	187.7729	**34.2686**	7.8239	34.2686	N/A	2.283	10.000	4.2200	4.2200
CO	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.000	0.000	0.0000	0.0000
HAPs	2000	0.5	7.8239	187.7729	**34.2686**	7.8239	34.2686	N/A	2.283	10.000	4.2200	4.2200

326 IAC 2-4.1-1; 326 IAC 2-7; 326 IAC 8-3-3 & 326 IAC 8-3-6

Emissions generated: evaporation, solvent transfer, & spent solvent disposal.
In 2000, 4.29 tons of trichloroethylene was used. 0.231 ton was sent out for disposal as hazardous waste. Thus, total emissions = 4.29-0.231 = 4.06 TPY
Operating hours were 1078.75 hours for 2000.

Company's submittal was 4.22 tons per year used; therefore the higher of the two was used.

50% control efficiency is not used in this calculation since the production number is the actual amount lost (TPY).

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E01: Paint Spray Booth

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(Aluminum, speed dry enamel from Carbit Paint Co.) MDR (gal/hr): 0.869 STACK ID (DIAM:HEIGHT): S01 (2.5: 32)

(Carbit AD Enamel 79E32) YEARLY PROD (gal/yr): 833.75 FLOWRATE (ACFM): 17000

CNTRL DEV: particulate filters Ts(°F): 70

PERMITTED OPERATING HRS: **8760** hr/yr

			POTENTIAL TO EMIT (PTE)						**PERMIT LIMIT**		**2000 ACTUAL**	
SCC #4-02-005-10			BEFORE CONTROLS			AFTER CONTROLS					BEFORE	AFTER
POLLUTANT	EF(LB/gal)	CE (%)	(lbs/hr)	(lbs/day)	**(TPY)**	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)	CONTROLS	CONTROLS
PM	2.175	0.958	1.8901	45.3618	**8.2785**	0.0794	0.3477	0.0005	0.079	0.348	0.9067	0.0381
PM10	2.175	0.958	1.8901	45.3618	**8.2785**	0.0794	0.3477	0.0005	0.079	0.348	0.9067	0.0381
SOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
NOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
VOC	5.7	0	4.9533	118.8792	**21.6955**	4.9533	21.6955	N/A	4.9533	21.6955	2.3762	2.3762
CO	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
HAPs	3.45	0	2.9981	71.9532	**13.1315**	2.9981	13.1315	N/A	4.953	21.695	1.4382	1.4382

Manufacturer: Coating Systems & Consultants, Ltd.

Aluminum Speed Dry Enamel: VOC content = 76% by wt (5.7 lbs/gal)

Density = 7.5 lbs/gal toluene = 44% by wt (3.3 lbs/gal): PTE = 12.560526 TPY

Xylene = 2% by wt (0.15 lbs/gal): PTE = 0.570933 TPY

VM&P Naphtha = 20% by wt (1.5 lbs/gal): PTE = 1.4273325 TPY

mineral spirits = 5% by wt (0.375 lbs/gal): PTE = 1.4273325 TPY

C100 solvent = 5% by wt (0.375 lbs/gal): PTE = 5.70933 TPY

29% solids (2.175 lbs/gal)

Combustion Units

(19) Space Heaters MDC (mmBtu/hr): 3.91 HEAT CONTENT (Btu/cft): 1,050 STACK ID (DIAM:HEIGHT): (S02-20)
(Natural Gas Combustion) MDR (mmcft/hr): 0.0037 QTY BURNED (mmcft/yr): 1.66 FLOWRATE (ACFM):
CNTRL DEV: None Ts(°F):

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 1-03-006-03			POTENTIAL TO EMIT (PTE)						PERMIT LIMIT		2000 ACTUAL	
			BEFORE CONTROLS			AFTER CONTROLS					BEFORE	AFTER
POLLUTANT	EF(lbs/mmcft)	CE (%)	(lbs/hr)	(lbs/day)	**(TPY)**	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)	CONTROLS	CONTROLS
PM	7.6	0	0.0283	0.6792	**0.1240**	0.0283	0.1240	#DIV/0!	0.028	0.124	0.0063	0.0063
PM10	7.6	0	0.0283	0.6792	**0.1240**	0.0283	0.1240	#DIV/0!	0.028	0.124	0.0063	0.0063
SOx	0.6	0	0.0022	0.0536	**0.0098**	0.0022	0.0098	N/A	0.002	0.010	0.0005	0.0005
NOx	100	0	0.3724	8.9371	**1.6310**	0.3724	1.6310	N/A	0.372	1.631	0.0831	0.0831
VOC	5.5	0	0.0205	0.4915	**0.0897**	0.0205	0.0897	N/A	0.020	0.090	0.0046	0.0046
CO	84	0	0.3128	7.5072	**1.3701**	0.3128	1.3701	N/A	0.313	1.370	0.0698	0.0698
LEAD	0.0005	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.000	0.000	0.0000	0.0000

Emission Factors: AP-42 (2/98) Table 1.4-1 & 2

Nineteen (19) gas-fired heaters with a total maximum design capacity = 3.91 MMBtu/hr

Welding Operation

(3) Welding Stations MDR (1000 lbs electrode/hr): 0.002916 STACK ID (DIAM:HEIGHT): None
(Electric Arc welding using 70S3 wire) YEARLY PROD (1000 lbs/yr): FLOWRATE (ACFM): N/A
CNTRL DEV: particulate filters Ts(°F): N/A

PERMITTED OPERATING HRS: **8760** hr/yr

SCC #3-09-052-54			POTENTIAL TO EMIT (PTE)						PERMIT LIMIT		2000 ACTUAL	
			BEFORE CONTROLS			AFTER CONTROLS					BEFORE	AFTER
POLLUTANT	EF(LB/1000 lbs)	CE (%)	(lbs/hr)	(lbs/day)	**(TPY)**	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)	CONTROLS	CONTROLS
PM	5.2	0	0.0152	0.3639	**0.0664**	0.0152	0.0664	#VALUE!	0.015	0.066	0.0000	0.0000
PM10	5.2	0	0.0152	0.3639	**0.0664**	0.0152	0.0664	#VALUE!	0.015	0.066	0.0000	0.0000
SOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
NOx	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
VOC	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
CO	0	0	0.0000	0.0000	**0.0000**	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	0.0000
HAPs	0.321	0	0.0009	0.0225	**0.0041**	0.0009	0.0041	N/A	0.001	0.004	0.0000	0.0000

MDR = 2.916 lbs electrode/hr

(HAPs)
Chromium = 0.001 lbs/1000 lbs
Cobalt = 0.001 lbs/1000 lbs
Manganese = 0.318 lbs/1000 lbs
Nickel = 0.001 lbs/1000 lbs

**** SOURCE TOTALS: Vermette Machine Company, Inc. ****

	POTENTIAL TO EMIT (PTE)						PERMIT LIMIT		2000 ACTUAL	
	BEFORE CONTROLS			AFTER CONTROLS					BEFORE	AFTER
POLLUTANT	(lbs/hr)	(lbs/day)	**(TPY)**	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)	CONTROLS	CONTROLS
PM	1.9335	46.4049	8.4689	0.1228	0.5381	0.0000	0.2283	1.0000	0.9130	0.0444
PM10	1.9335	46.4049	8.4689	0.1228	0.5381	0.0000	0.2283	1.0000	0.9130	0.0444
SOx	0.0022	0.0536	0.0098	0.0022	0.0098	0.0000	N/A	N/A	0.0005	0.0005
NOx	0.3724	8.9371	1.6310	0.3724	1.6310	0.0000	N/A	N/A	0.0831	0.0831
VOC	12.7977	307.1436	56.0537	12.7977	56.0537	0.0000	5.7078	25.0000	6.6008	6.6008
CO	0.3128	7.5072	1.3701	0.3128	1.3701	0.0000	N/A	N/A	0.0698	0.0698
HAPs	10.8229	259.7486	47.4041	10.8229	47.4041	0.0000	5.7078	25.0000	5.6582	5.6582