

Certified Mail#: 7000 0600 0023 5187 7624

March 9, 2005

Mr. David Crandell, President  
Parts Cleaning Technologies, L.L.C.  
24901 Northwestern Highway, Suite 209  
Southfield, MI 46705

Re: Approval of Air Permit - Operation of New  
Degreasers and Distillation Still at the Indianapolis,  
IN facility; First Significant Permit Modification No.:  
097-19603-00373 to Part 70 Permit No.:  
T097-15900-00373

Dear Mr.Crandell:

Parts Cleaning Technologies, L.L.C., was issued an air permit under Title 40 (Environment) of the Code of Federal Regulations (CFR) Part 70 (State Operating Permit Program) and 326 Indiana Administrative Code (IAC) 2-7 (Part 70 Permit Program) numbered T097-15900-00373, for the operation of parts cleaning. A letter requesting modifications to this permit was received by Indianapolis Office of Environmental Services (OES) on August 19, 2004. Because the new emission units (degreasers #117, #118, and solvent still #119) are subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) under Title I of the Clean Air Act, this permit is being modified and hereby approved pursuant to 326 IAC 2-7-12 (d), a significant permit modification numbered 097-19603-0037. This modification is described in point in the attached Technical Support Document (TSD).

The modification consists of the addition of two vapor degreasers (emission units #117 and #118) and one solvent still (#119), located at 2263 Distributors Drive, Indianapolis, IN 46256.

The vapor degreasers #117 and #118 use trichloroethylene, which is a halogenated Hazardous Air Pollutant (HAP), as the solvent. Therefore, these vapor degreasers are subject to the NESHAP for Halogenated Solvent Cleaning (40 CFR 63.460-63.470, Subpart T).

All other conditions of the permit shall remain unchanged and in effect. A copy of the revised permit is attached.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Carmen Bugay of my staff, via e-mail at [cbugay@indygov.org](mailto:cbugay@indygov.org) or by phone at (317) 327-2512.

Sincerely,

Original signed by,

John B. Chavez  
Administrator

Attachments: Notice of Decision (NOD)  
Technical Support Document (TSD)  
Revised Permit

JBC/cmb

cc: Mr. Paul Zaglauer, Parts Cleaning Technologies (Indianapolis site)  
Mr. Stan Miles, Detrex Corporation  
U.S. EPA, Region V  
Mindy Hahn, IDEM, OAQ  
Marion County Health Department  
Matt Mosier, OES, Air Compliance  
Carmen Bugay, OES, Air Permits  
Files (2)



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
AND  
CITY OF INDIANAPOLIS  
OFFICE OF ENVIRONMENTAL SERVICES  
PART 70 OPERATING PERMIT**

**Parts Cleaning Technologies, Inc., L.L.C.  
2263 Distributors Drive  
Indianapolis, Indiana 46241**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

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

Operation Permit No.: T097-15900-00373	
Issued by: Original signed by,  Janet G. McGabe, Assistant Commissioner IDEM, Office of Air Quality, and  John B. Chavez, Administrator Office of Environmental Services	Issuance Date: 7/23/2003   Expiration Date: 7/23/2008
1st Significant Permit Modification No.: 097-19603-00373	Conditions modified: A.1, A.2, A.3, B.3, C.17, D.1, D.1.2-D.1.8.
Issued by:  Original signed by   John B. Chavez, Administrator Office of Environmental Services	Issuance date: 3/9/2005   Expiration date: 7/23/2008

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## SECTION A

## SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and the City of Indianapolis, Office of Environmental Services (OES). The information describing the emission units contained in conditions A.1, A.3 and A.4 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 approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

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The Permittee owns and operates a stationary parts cleaning and solvent distribution facility.

Responsible Official:	President
Source Address:	2263 Distributors Drive, Indianapolis, Indiana 46241
Mailing Address:	2263 Distributors Drive, Indianapolis, Indiana 46241
General Source Number:	(317) 241-9379
SIC Code:	2869, 5051, 7389
County Location:	Marion
Source Location Status:	Basic nonattainment for ozone 8-hour standard; Attainment for all other criteria pollutants.
Source Status:	Part 70 Permit Program Minor Source, under PSD Rule; and Nonattainment New Source Review (NSR). Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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There are two companies located at 2263 Distributors Drive, Indianapolis, Indiana 46241:

- (a) Parts Cleaning Technologies, Inc., L.L.C., a parts cleaning and solvent distribution facility.
- (b) Detrex Corporation, a solvent recovery facility.

Since the two (2) companies are located on contiguous properties and have a support relationship, they will be considered one (1) source, effective from the date of issuance of this Part 70 permit.

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

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

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPC1, Serial Number 71481), identified as unit #113 and installed in 2001, using vapor and emersion to clean metal, glass and plastic parts, with a maximum throughput rate of 7,000 pounds per hour of material; and the air solvent interface of 36 square feet, controlled by control option 4 from 40 CFR 63.463 (b)(20)(i) Table 2: a freeboard ratio of 1.0, superheated vapor, and reduced roomdraft. A carbon adsorber (model SVRM-2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) solvent still (model S 400 S, Serial Number 71481A), identified as unit #114, with a maximum distillation rate of 400 gallons/hr.

- (b) One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor and emersion to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material; and with the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced room draft. The existing carbon adsorber (model SVRM-2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.
  
- (c) One (1) two dip vapor spray open top degreaser (model 2D500E size D-30E, Serial Number 67980), identified as unit #118, using vapor and emersion to clean metal, glass, and plastic parts, with a maximum throughput rate of 2,500 pounds per hour of material; and with the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including one (1) Kewanee 62 HP boiler, identified as #103 and constructed in 1988, with a maximum heat capacity of 2.51 MMBtu/hr, and exhausting through stack SV-2. [326 IAC 6-2-4]

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

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

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

## **SECTION B GENERAL CONDITIONS**

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

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

### **B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]**

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

### **B.3 Enforceability [326 IAC 2-7-7]**

- (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, OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Appendix A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through May 10, 2003 and published in the Indiana Register June 1, 2003, unless otherwise indicated in the adoption by reference or in Attachment A. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. 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 OES.

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

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

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

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

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

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

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

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

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(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; or
  - (3) Denial of a permit renewal application.
- (b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.
- (c) 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.
- (d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

and

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

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

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

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]  
[326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs, including any record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) To the extent the Permittee is required by 40 CFR 60/63 to have an Operation, Maintenance and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

#### B.12 Emergency Provisions [326 IAC 2-7-16]

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or

Telephone Number: 317-233-5674 (ask for Compliance Section)

Facsimile Number: 317-233-5967

and

OES:

Telephone No.: 317-327-2237 (ask for Air Compliance)

Facsimile No.: 317-327-2274

- (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  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

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

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

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

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
  - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
  - (e) IDEM, OAQ, and OES, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
  - (f) Failure to notify IDEM, OAQ, and OES, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
  - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

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

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

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

B.14 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.

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

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

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

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

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, or OES, determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, or OES, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, or OES, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, or OES, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
  - (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 OES, on or before the date it is due.
  - (2) If IDEM, OAQ, and OES, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, and OES, 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 OES, any additional information identified as being needed to process the application.

- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]  
If IDEM, OAQ, and OES, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

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

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

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

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

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
  - (3) The changes do not result in emissions which exceed the 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  
Indianapolis, Indiana 46204  
  
and  
  
City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097  
  
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 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.  
  
Such records shall consist of all information required to be submitted to IDEM, OAQ, and OES, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
  - (2) The date on which the change will occur;
  - (3) Any change in emissions; and

- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade 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 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, OES or U.S. EPA is required.

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

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC13-30-3-1]

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

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

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

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

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ, and OES, 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, or OES, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing & Training (BLT) Section), to determine the appropriate permit fee.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]
- (a) Pursuant to [40 CFR 52 Subpart P], particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.
- 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 thirty percent (30%) 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. 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]
- The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. 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.
- C.6 Operation of Equipment [326 IAC 2-7-6(6)]
- Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.
- C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]
- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Enforcement Section  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

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

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

- (g) Indiana Accredited Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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- (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 and OES.

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  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

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

- (b) The Permittee shall notify IDEM, OAQ, and OES, of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, and OES, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES, 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.9 Compliance Requirements [326 IAC 2-1.1-11]**

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within forty-five (45) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within forty-five (45) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

in writing, prior to the end of the initial forty-five (45) days compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 ( $\pm 2\%$ ) of full scale reading.
- (b) Whenever a condition in this permit requires the measurement of a temperature, 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 ( $\pm 2\%$ ) of full scale reading.
- (c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.
- (d) The Permittee may request the IDEM, OAQ, and OES, 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 2-7-5] [326 IAC 2-7-6]**

**C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

within ninety (90) days after the date of issuance of this permit.

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

- (c) If the ERP is disapproved by IDEM, OAQ, and OES, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, and OES, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]**

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

**C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]**

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ, and OES, upon request. The CRP

shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
- (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan to include such response steps taken.

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR 60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
  - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) 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, and OES 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 be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
  - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]  
[326 IAC 2-7-6]

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, and OES, 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 and OES that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ and OES may extend the retesting deadline.
- (c) IDEM, OAQ and OES reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]  
[326 IAC 2-6]

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- (a) Pursuant to 326 IAC 2-6-3 (1)(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1, an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
  - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

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

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

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the IDEM Commissioner or OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the IDEM Commissioner or OES Administrator 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 2-7-5(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 “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

- (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 OES, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

### **Stratospheric Ozone Protection**

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

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

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

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

#### Emission Units at Parts Cleaning Technologies, Inc., L.L.C:

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPC1, Serial Number 71481), identified as unit #113 and installed in 2001, using vapor and emersion to clean metal, glass and plastic parts, with a maximum throughput rate of 7,000 pounds per hour of material; and the air solvent interface of 36 square feet, controlled by control option 4 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor, and reduced room draft. A carbon adsorber (model SVRM-2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) solvent still (model S 400 S, Serial Number 71481A), identified as unit #114, with a maximum distillation rate of 400 gallons/hr.
- (b) One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor and emersion to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced room draft. The existing carbon adsorber (model SVRM-2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.
- (c) One (1) two dip vapor spray open top degreaser (model 2D500E size D-30E, Serial Number 67980), using vapor and emersion to clean metal, glass, and plastic parts, with a maximum throughput rate of 2,500 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced room draft. The existing carbon adsorber, (model SVRM-2-5-0, Serial Number 72799), identified as unit #115, and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.

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

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

#### D.1.1 General Provisions Relating to 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 facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart T.

#### D.1.2 Halogenated Solvent Cleaning Machine NESHAP [40 CFR Part 63, Subpart T]

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This facility 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) Pursuant to 40 CFR 63.463(a) and (b), the Permittee shall conform to the following design requirements:

- (1) The cleaning machines shall be designed or operated such that it has a reduced room draft as described in 40 CFR 63.463 (e)(2)(ii).
- (2) The cross rod cleaning machine (#113) shall utilize control option 4 of 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor, and reduced room draft; and the two open top batch degreasers (#117 and #118) shall utilize control option 6 from 40 CFR 63.463 (b)(2)(i), Table 2: a freeboard ratio of 1.0, freeboard refrigeration and reduced room draft, or other equivalent methods of control as determined using the procedure in 40 CFR 63.469.
- (3) 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 minutes (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
- (4) The cleaning machines shall be equipped with a device that shuts off sump heat if the sump liquid solvent level drops to the sump heater coils.
- (5) The cleaning machines shall have a primary condenser.
- (6) The cleaning machines shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

(b) 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 each cleaning machine opening(s) by creating a reduced room draft as described in 40 CFR 63.463 (e)(2)(ii).
- (2) The parts baskets or the parts being cleaned in each 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 each 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 IDEM 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 U.S. EPA Administrator'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 A, Subpart T of 40 CFR 63, if requested during an inspection by the IDEM and OES.
  - (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.
- (c) 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 40 CFR 63.463 as provided in 40 CFR 63.466, monitoring procedures.
  - (2) Determine during each monitoring period if the control devices (emission units #113, #117, and #118) used to comply with the above standards, meet the following requirements:
    - (A) When using a reduced room draft, the Permittee shall:
      - (i) Ensure that the flow or movement of air across the top of the freeboard area of each solvent cleaning machine or within each solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at anytime as measured using the procedures in 40 CFR 63.466(d).
      - (ii) Establish and maintain the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less as described in 40 CFR 63.466 (d).
    - (B) 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 is followed.
      - (iii) Ensure that parts remain within the superheated vapor for at

least the minimum proper dwell time.

- (C) When using freeboard refrigeration, the Permittee shall:
  - (i) Ensure that the chilled air blanket temperature (in °F) measured at the center of the air blanket while the solvent cleaning machines are in the idling mode, shall not exceed 30% of the solvents boiling point, as per 40 CFR 63.463 (e)(2)(i), and 63.466 (a)(1).
- (3) An exceedance has occurred if :
  - (A) The requirements of paragraphs (c)(2)(A)(ii), (c)(2)(B)(ii) and (c)(2)(B)(iii) of this condition are not met; and
  - (B) The requirements of paragraphs (c)(2)(A)(i), (c)(2)(B)(i) and (c)(2)(C)(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 each 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 Permittee shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in 40 CFR 63.468.

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

Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreasing Operations) , for open top vapor degreasing operations constructed after January 1, 1980, which includes each degreaser, #113, #117, and #118, the Permittee shall do the following:

- (a) Equip the open top vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;
- (b) Keep the cover closed at all times except when processing workloads through the degreaser;
- (c) Minimize solvent carry-out by:
  - (1) Racking parts to allow complete drainage;
  - (2) Moving parts in and out of the degreaser at less than eleven (11) feet per minute;
  - (3) Degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  - (4) Tipping out any pools of solvent on the cleaned parts before removal;
  - (5) Allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;
- (d) Not degrease porous or absorbent materials, such as cloth, leather, wood or rope;
- (e) Not occupy more than half of the degreaser's open top area with the workload;
- (f) Not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;

- (g) Never spray above the vapor level;
- (h) Repair solvent leaks immediately, or shut down the degreaser;
- (i) 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;
- (j) Not use workplace fans near each degreaser's opening;
- (k) Not allow visually detectable water in the solvent exiting the water separator; and
- (l) Provide a permanent, conspicuous label summarizing the operating requirements.

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

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Pursuant to 326 IAC 8-3-6 (Open Top Vapor Degreaser Operation and Control Requirements), for open top vapor degreasing operations with an air to solvent interface of ten and eight-tenths (10.8) square feet or greater and constructed after July 1, 1990, the Permittee shall ensure that the following requirements are met:

- (a) The Permittee shall ensure that the following control equipment requirements are met for each degreaser ( #113, #117 and #118):
  - (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.
  - (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 powdered cover if the degreaser opening is greater than ten and eight-tenths (10.8) square feet; or
    - (B) A refrigerated chiller; or
    - (C) An enclosed design in which the cover opens only when the article is actually entering or exiting the degreaser; or
    - (D) A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifty (50) cubic feet per minute per square foot of air to vapor interface area and an average of less than twenty-five parts per million of solvent is exhausted over one (1) complete adsorption cycle; or
    - (E) Other systems of demonstrated equivalent or better control as those outlined in (A) through (D). Such systems shall be submitted to the U.S.EPA as a SIP revision.

- (b) The Permittee shall ensure that the following operating requirements are met for each degreaser ( #113, #117 and #118):
- (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 eleven 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 (½) 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 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 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 sixty-five cubic feet per minute per square foot of each degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration (OSHA) 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 Monitoring Procedures [40 CFR 63.466]

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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) For unit #113, 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.
  - (2) For units #117 and #118, the Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket for the freeboard chiller, while the solvent cleaning machines are in the idling mode.
- (b) 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 IDEM Commissioner and OES Administrator'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.
- (c) The Permittee shall conduct monitoring and record the results, for a reduced room draft, as specified in the following paragraphs:
- (1) When using an enclosure to meet reduced room draft, the Permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the wind speed within the enclosure using the procedure specified below and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects.
    - (A) Determine the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.
    - (B) Record the maximum wind speed.
  - (2) When using room parameters to meet reduced room draft, the Permittee shall conduct an initial monitoring test of the windspeed and room parameters, quarterly monitoring of windspeed, and weekly monitoring of room parameters as specified in procedures of 40 CFR 63.466 (d)(1). Measurement of the windspeed shall be performed within 6 inches above the top of the freeboard area of the solvent cleaning machine by:
    - (A) Determining the direction of the wind by slowly rotating a velometer or similar device until the maximum speed is located.
    - (B) Orienting a velometer in the direction of the wind current at each of the four corners of the machine.

- (C) Record the reading of each corner.
- (D) Average the values obtained at each corner and record the average windspeed. The average windspeed shall not exceed 50 feet per minute.

#### D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for emission units #113, #117, #118, and all required control devices.

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

#### D.1.7 Record Keeping Requirements [40 CFR 63.467] [40 CFR 63.466]

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- (a) Pursuant to 40 CFR 63.467(a), the Permittee shall maintain, in written or electronic form, records of the following information specified below, for the life time of each machine:
  - (1) Owners'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 each 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 halogenated HAP solvent content for each solvent used in each solvent cleaning machine.
- (b) Pursuant to 40 CFR 63.467(b), the Permittee shall maintain, in written or electronic form, records of the following information specified below for a period of 5 years:
  - (1) Records of the date and results of the weekly measurement of the temperature at the center of the superheated solvent vapor zone (for unit #113), while the solvent cleaning machine is in the idling mode, as required in 40 CFR 63.466.
  - (2) Records of the date and results of the weekly measurement of the temperature at the center of the air blanket (for units #117 and #118), while each solvent machine is in the idling mode, as required by 40 CFR 63.466.
  - (3) 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.
  - (4) Estimates of annual solvent consumption for each solvent cleaning machine.
- (c) Pursuant to 40 CFR 63.466 (d)(1) and/or (d)(2), the Permittee shall record the monthly monitoring results of the maximum wind speed and visual inspections, when using an enclosure to meet reduced room draft as control; and/or weekly monitoring of room parameters and quarterly monitoring of wind speed, when using room parameters to meet reduced room draft.
- (d) To document compliance with Condition D.1.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

#### D.1.8 Reporting Requirements

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A summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements of this permit, and to the following address as stated below:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221-2097

and

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

- (a) An initial notification report for the cross rod batch degreaser (#113) was submitted on August 31, 2001.
- (b) An initial statement of compliance for cross rod batch degreaser (#113) was submitted on September 5, 2001.
- (c) An initial notification report for the new degreasers (#117 and #118), and solvent still (#119), shall be submitted as soon as practicable before the construction is planned to commence, and shall include all of the information required in 40 CFR 63.5 (d)(1) of Subpart A (General Provisions), with the revisions and additions specified in 40 CFR 63.468 (b)(1) through (b)(3).
- (d) An initial statement of compliance for the new degreasers (#117 and #118), and solvent still (#119), shall be submitted no later than 150 days after startup, and shall include requirements specified in 40 CFR 63.468 (d)(1) through (d)(6).
- (e) The Permittee shall submit an annual report by February 1 of the 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.

- (f) The Permittee shall submit an exceedance report to the IDEM Commissioner and OES Administrator semi-annually 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.
- (g) 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 record keeping and monitoring requirements specified in Subpart A (General Provisions) and in 40 CFR 63, Subpart T.
  - (3) The IDEM 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.
- (h) If the Permittee requests an equivalency determination as described in 40 CFR 63.469, then the Permittee shall submit an equivalency request report to the U.S. EPA Administrator and receive an approval prior to startup.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

#### Emission Units at Detrex Corporation:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including one (1) Kewanee 62 HP boiler, identified as #103 and constructed in 1988, with a maximum heat capacity of 2.51 MMBtu/hr, and exhausting through stack S/V-2. [326 IAC 6-2-4]

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

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

#### D.2.1 Particulate Matter (PM) [326 IAC 6-2-4]

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Pursuant to 326 IAC 6-2-4 (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), the total particulate emissions from Boiler #103, which is used for indirect heating purposes and was constructed after September 21, 1983, shall in no case exceed 0.6 pounds of particulate matter per million British thermal units heat input.

## Forms

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and City of Indianapolis, Office of Environmental Services

## PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Parts Cleaning Technologies, Inc., L.L.C.  
Source Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
Mailing Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
Part 70 Permit No.: T097-15900-00373

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

Please check what document is being certified:

- 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  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-5674  
Fax: 317-233-5967  
and  
City of Indianapolis,  
Office of Environmental Services**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Parts Cleaning Technologies, Inc., L.L.C.  
Source Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
Mailing Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
Part 70 Permit No.: T097-15900-00373

**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) working 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 N/A

**Page 2 of 2**

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

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

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

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

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

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 Compliance Data Section  
 and  
 City of Indianapolis,  
 Office of Environmental Services**

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

Source Name: Parts Cleaning Technologies, Inc., L.L.C.  
 Source Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
 Mailing Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
 Part 70 Permit No.: T097-15900-00373

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

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. 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".</p>	
<p><input checked="" type="radio"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input checked="" type="radio"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	
<p><b>Permit Requirement</b> (specify permit condition #)</p>	
<p><b>Date of Deviation:</b></p>	<p><b>Duration of Deviation:</b></p>
<p><b>Number of Deviations:</b></p>	
<p><b>Probable Cause of Deviation:</b></p>	
<p><b>Response Steps Taken:</b></p>	

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

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

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

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

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

Attach a signed certification to complete this report.

## Attachment A

The following state rules have been adopted by reference by the Indianapolis Air Pollution Control Board and are enforceable by Indianapolis Office of Environmental Services (OES) using local enforcement procedures.

- (1) 326 IAC 1
- (2) 326 IAC 2-3-1 through 2-3-5;
- (3) 326 IAC 2-4-1 through 2-4-6;
- (4) 326 IAC 2-6-1 through 2-6-4;
- (5) 326 IAC 2-7-1 through 2-7-18, 2-7-20 through 2-7-25;
- (6) 326 IAC 2-8-1 through 2-8-15, 2-8-17 through 2-8-10;
- (7) 326 IAC 2-9-1 through 2-9-14;
- (8) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language "state or local" immediately after the word "federal" in 326 IAC 2-10-1);
- (9) 326 IAC 2-11-1, 2-11-3 and 2-11-4 (The IAPCB adoption adds the language "federal, state or local" immediately after the word "by" in 326 IAC 2-11-1);
- (10) 326 IAC 3-1.1-1 through 3-1.1-5;
- (11) 326 IAC 3-2.1-1 through 3-2.1-5;
- (12) 326 IAC 3-3-1 through 3-3-5;
- (13) 326 IAC 4-2-1 through 4-2-2;
- (14) 326 IAC 5-1-1 (a), (b) and c) (5), 5-1-2 (1), (2)(A), (2)c) (4), 5-1-3 through 5-1-5, 5-1-7;
- (15) 326 IAC 6;
- (16) 326 IAC 7-1.1-1 and 7-1.1-2;
- (17) 326 IAC 7-2-1;
- (18) 326 IAC 7-3-1 and 7-3-2;
- (19) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
- (20) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
- (21) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2- 5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
- (22) 326 IAC 8-3-1 through 8-3-7;
- (23) 326 IAC 8-4-1 through 8-4-5, 8-4-6 (a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) Kilo Pascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
- (24) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
- (25) 326 IAC 8-6-1 and 8-6-2;
- (26) 326 IAC 9-1-1 and 9-1-2;
- (27) 326 IAC 10; (adopted January 8, 2004)
- (28) 326 IAC 11-1-1 through 11-1-2;
- (29) 326 IAC 11-2-1 through 11-2-3;
- (30) 326 IAC 11-3-1 through 11-3-6;
- (31) 326 IAC 14-1-1 through 14-1-4;
- (32) 326 IAC 14-2-1 except 40 CFR 61.145;
- (33) 326 IAC 14-3-1;
- (34) 326 IAC 14-4-1;
- (35) 326 IAC 14-5-1;
- (36) 326 IAC 14-6-1;
- (37) 326 IAC 14-7-1;
- (38) 326 IAC 14-8-1 through 14-8-5;
- (39) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
- (40) 326 IAC 20;
- (41) 326 IAC 21;
- (42) 326 IAC 21-1-1 (The adoption states that "or the administrator of OES" is added in (b));
- (43) 326 IAC 22-1-1 (The adoption states that "or the administrator of OES" is added in (b)).

**Indiana Department of Environmental Management,  
Office of Air Quality  
and  
City of Indianapolis, Office of Environmental Services**

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

**Source Background and Description**

<b>Source Name:</b>	Parts Cleaning Technologies, L.L.C
<b>Source Location:</b>	2263 Distributors Drive, Indianapolis, Indiana 46241
<b>County:</b>	Marion
<b>SIC Code:</b>	2869, 5051, 7389
<b>Operation Permit No.:</b>	T097-15900-00373
<b>1st Minor Source(Construction) Mod. No.:</b>	097-19581-00373
<b>1st Significant Permit Modification No.:</b>	097-19603-00373
<b>Permit Reviewer:</b>	Carmen Bugay

The Office of Air Quality (OAQ) and the Office of Environmental Services (OES) have reviewed a Part 70 permit application from Parts Cleaning Technology, L.L.C. relating to the construction and operation of parts cleaning under Standard Industrial Classification codes (SIC) of 2869 (Industrial organic chemicals), 5051 (Metals service centers and offices, parts cleaning), 7389 (Business Services Not Elsewhere Classified, solvents recovery); and consisting of the following equipment:

Parts Cleaning Corporation:

- (a) One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.
- (b) One (1) two dip vapor spray open top degreaser (model 2D500E D-30) using vapor to clean metal, glass, and plastic parts, with a maximum throughput of 2,500 pounds/hour of material and the air solvent interface of 15 square feet, controlled by control option 6 from 40CFR63.463(b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.

## Insignificant Activities

### Detrex Corporation:

- (a) One (1) closed loop distillation solvent still, (model number 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons per hour; connected to the degreasers #113, #117, #118, and to the present carbon adsorption unit (identified as unit #115), exhausting through SV-3 as point emission. In addition, an existing water treatment tank (TTO) system (identified as unit #116) is also utilized for water polishing prior to water discharge.

## History and Source Definition

There are two (2) companies located at the same location (2263 Distributors Drive, Indianapolis, Indiana 46241):

- (1) Parts Cleaning Technologies, L.L.C., a parts cleaning and solvent distribution, started operation in 2002.
- (2) Detrex Corporation, a waste solvent recovery and storage facility, started operation before 1980.

Before 2002, Detrex Corporation (referred to as "Detrex Corp.") was a waste solvent recovery, solvent distribution, and parts cleaning facility and was the only company located at this address. Parts Cleaning Technologies, L.L.C. (referred to as "Parts Cleaning") purchased the parts cleaning and solvent distribution portion of the business from Detrex Corp. in 2002.

Currently, Parts Cleaning sends 100% of the waste solvent to Detrex Corp. for recovery. Parts Cleaning uses the heat generated from a 2.5 MMBtu/hr boiler, which belongs to Detrex Corp. Currently, Detrex Corp has a waste permit for the waste solvent distillation process.

Since the two (2) companies are located on contiguous properties and have a support relationship, IDEM and OES have determined that Parts Cleaning Technologies, L.L.C and Detrex Corporation are one (1) source for air emissions under the Part 70 program.

## Existing Emission Units at Parts Cleaning Technologies, L.L.C:

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPC1, Serial Number 71481), identified as unit #113 and installed in 2001, using vapor to clean metal, glass and plastic parts, with a maximum throughput rate of 7,000 pounds per hour of material; and the air solvent interface of 36 square feet, controlled by control option 4 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor and reduced room draft. A carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) solvent still (model MR600 SW, Serial Number 73745), identified as unit #114 with a maximum distillation rate of 400 gallons/hr.

Note: There is no significant emission unit located at Detrex Corporation.

## Insignificant Activities

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

### Existing Emission Units at Parts Cleaning Technologies, L.L.C:

- (a) Forced and induced draft cooling tower system not regulated under a NESHAP.
- (b) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (c) Other emission units, not regulated by a NESHAP, with PM<sub>10</sub> and SO<sub>2</sub> emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:
  - (1) Two (2) inside vertical tanks, identified as #106 and #107, constructed in 1979, each with a maximum capacity of 1,000 gallons.
  - (2) Two (2) horizontal tanks, identified as #108 and #109, constructed in 1985, each with a maximum capacity of 1,200 gallons.
  - (3) One (1) TTO tank with a carbon drum, identified as #116 and constructed in 2001, with a maximum capacity of 100 gallons, used for water polishing prior to discharge of the water, and exhausting into the building.
  - (4) One (1) outside virgin solvent storage tank, identified as #110, constructed in 1979, with a maximum capacity of 10,000 gallons.
  - (5) One (1) drumming operation.

### Existing Emission Units at Detrex Corporation:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including one (1) Kewanee 62 HP boiler, identified as #103 and constructed in 1988, with a maximum heat capacity of 2.51 MMBtu/hr, and exhausting through stack SV-2. [326 IAC 6-2-4]
- (b) Other emission units, not regulated by a NESHAP, with PM<sub>10</sub> and SO<sub>2</sub> emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:
  - (1) One (1) solvent still (model MR 600 SW), identified as #101, and exhausting into the building.
  - (2) One (1) drying column, identified as #104.
  - (3) One (1) distillate receiver, identified as #105.
  - (4) One (1) drumming operation.

**Justification for Part 70 Minor Source Modification:**

Each new emission unit's (#117 & #118) potential to emit (PTE) is 26 tons per year, therefore these units are major for HAPs. In addition, since these units utilize trichloroethylene (a halogenated HAP as the solvent), they are subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) for Halogenated Solvent Cleaning, under 40 CFR 63.460-470, Subpart T.

The emission units stated above are subject to a NESHAP and the NESHAP is the most stringent applicable requirement, therefore a minor source modification (097-19581-00373) is granted under 326 IAC 2-7-10.5 (d)(5).

The permit revisions to incorporate the new units into the Part 70 operating permit, cannot be processed as a minor permit modification, because the units are subject to NESHAP, under Title I of the Clean Air Act. Therefore, this permit is being modified pursuant to 326 IAC 2-7-12 (d), a significant permit modification (097-19603-00373).

**Existing Approvals**

The source has constructed or has been operating under the following previous approvals:

- (a) Part 70 permit T097-15900-00373, issued July 23, 2003.

The following emission units as stated above in the **Insignificant Activities** section have been deleted in this modification, since these units were removed from the site on June 4, 2004:

- (c) other emissions units not regulated by NESHAP...:
  - (1) Two (2) inside vertical tanks, identified as #106 and #107, constructed in 1979, each with a maximum capacity of 1,000 gallons.

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

**Unpermitted Emission Units and Pollution Control Equipment**

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

**Enforcement Issue**

There are no enforcement actions pending.

**Stack Summary**

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
S/V-1, (fugitive emissions), S/V-3	New Open top batch vapor spray Degreasers (#117 & #118), Solvent Still (#119), (Existing TTO Tank #116 with a carbon drum for water polishing)	3	2	4,250	ambient
S/V-3 (main vent for Point Emissions)	(#113, #117, & #118 degreasers go through the Existing Carbon Adsorber #115)	14	14	3,800	ambient

**Recommendation**

The staff recommends to the IDEM Commissioner and OES Administrator that this minor source modification and significant permit modification of the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

An administratively complete Part 70 permit modification application for the purposes of this review was received on August 19, 2004. Additional information (site visit) was received on October 6, 2004.

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

**Emission Calculations**

See Appendix A of this document for detailed emissions calculations (Appendix A, pages 1- 3).

**Potential to Emit After Issuance**

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls.

Process/Facility	Potential to Emit After Issuance (tons/year)						
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Vapor Degreaser #113	-	-	-	63.0 <sup>1</sup>	-	-	63.0 <sup>1</sup>
Vapor Degreaser #117	-	-	-	26.25	-	-	26.25
Vapor Degreaser #118	-	-	-	26.25	-	-	26.25
NG Boiler (Insignificant)	0.08	0.08	0.01	0.06	0.92	1.10	Negligible
Insignificant Activities (Distillation/Solvent Still #119)	-	-	-	Less than 5.0	-	-	Less than 5.0
<b>Total Emissions</b>	<b>0.08</b>	<b>0.08</b>	<b>0.01</b>	<b>Less than 121</b>	<b>0.92</b>	<b>1.10</b>	<b>Less than 121</b>
Title V Source Thresholds	--	100	100	100	100	100	10 for a single HAP and 25 for combined HAPs

Note<sup>1</sup>: Vapor Degreaser #113 total VOC/HAPs PTE is changed from 168 tons per year to 63 tons per year, as per revised calculations stated in the TSD addendum of Part 70 operation permit numbered T097-15900-00373, dated July 23, 2003 and Appendix A of this TSD.

**County Attainment Status**

The source is located in Marion County.

Pollutant	Status
PM-10	Unclassifiable
SO <sub>2</sub>	Maintenance Attainment
NO <sub>2</sub>	Attainment
Ozone - 1 Hour	Maintenance Attainment
Ozone - 8 Hour	Basic Nonattainment
CO	Attainment
Lead	Unclassifiable

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are precursors for the formation of ozone, and are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS). Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the

ozone standards. Marion County has been designated as maintenance attainment for the 1-hour ozone standard; and basic nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for nonattainment new source review (NSR).

- (b) Marion County has been classified as attainment for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Fugitive Emissions  
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and 2-3 and since there are no applicable New Source Performance Standards (NSPS) that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

### Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

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

### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to emission units #117 and #118.
- (b) The vapor degreasers #117 and #118 use trichloroethylene, which is a halogenated HAP, as the solvent. Therefore, these vapor degreasers are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Halogenated Solvent Cleaning (40 CFR 63.460-63.470, Subpart T).
  - (1) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in this section except when otherwise specified in 40 CFR 63, Subpart T.
  - (2) The Permittee has chosen control option 6 for degreasers #117 and #118 of 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced room draft; and has added a carbon adsorber as additional control and not as part of the compliance option. Pursuant to 40 CFR 63.463, the following requirements are applicable to the Permittee:
    - (A) Pursuant to 40 CFR 63.463(a) and (b), the Permittee shall conform to the following design requirements:
      - (i) The cleaning machines shall be designed or operated such that it has a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).
      - (ii) The cleaning machines shall be employed with a control combination of freeboard ratio of 1.0, freeboard refrigeration, and reduced room draft, or other equivalent methods of control as determined using the procedure in 40 CFR 63.469.

- (iii) 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 minutes (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
  - (iv) Each cleaning machine shall be equipped with a device that shuts off sump heat if the sump liquid solvent level drops to the sump heater coils.
  - (v) Each cleaning machine shall have a primary condenser.
  - (vi) Each cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.
- (B) Pursuant to 40 CFR 63.463(d), the following work and operational practice requirements for the degreasing operation are applicable:
- (i) Control air disturbances across each cleaning machine opening(s) by creating a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).
  - (ii) The parts baskets or the parts being cleaned in each 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.
  - (iii) Any spraying operations shall be done within the vapor zone or within a section of each solvent cleaning machine that is not directly exposed to the ambient air.
  - (iv) Parts shall be oriented so that the solvents drain 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 U.S. EPA Administrator.
  - (v) Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped.
  - (vi) During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater.
  - (vii) 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.
  - (viii) 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.
  - (ix) 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 U.S. EPA Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer.

- (x) Each operator of a solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in Appendix A, Subpart T of 40 CFR 63, if requested during an inspection by the IDEM Commissioner and OES Administrator.
  - (xi) 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.
  - (xii) Sponges, fabric, wood, and paper products shall not be cleaned.
- (C) Pursuant to 40 CFR 63.463(e), the Permittee shall comply with the following requirements:
- (i) The Permittee shall conduct monitoring of each control device used to comply with 40 CFR 63.463 as provided in 40 CFR 63.466, monitoring procedures.
  - (ii) Determine during each monitoring period if the control devices (emission units #113, #117, and #118) used to comply with the above standards, meets the following requirements:
    - (AA) When using a reduced room draft, the Permittee shall:
      - (i) Ensure that the flow or movement of air across the top of the freeboard area of each solvent cleaning machine or within each solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at anytime as measured using the procedures in 40 CFR 63.466(d).
      - (ii) Establish and maintain the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less as described in 40 CFR 63.466(d).
      - (iii) When using an enclosure to meet reduced roomdraft as described in 40 CFR 63.466, the owner or operator shall conduct an initial monitoring test and thereafter, monthly monitoring tests of the windspeed within the enclosure using the procedures specified in 40 CFR 63.466 (d)(2) and as stated below; and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes, and other defects.
        - (1) Determine the direction of wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.
        - (2) Record the maximum windspeed.
      - (iv) If the reduced room draft is maintained by controlling room parameters, the owner or operator shall conduct an initial monitoring test of the windspeed and room parameters, quarterly monitoring of

windspeed, and weekly monitoring of room parameters as specified in procedures of 40 CFR 63.466 (d)(1) and as stated below. Measurement of the windspeed shall be performed within 6 inches above the top of the freeboard area of the solvent cleaning machine by:

- (1) Determining the direction of the wind by slowly rotating a velometer or similar device until the maximum speed is located.
- (2) Orienting a velometer in the direction of the wind current at each of the four corners of the machine.
- (3) Record the reading of each corner.
- (4) Average the values obtained at each corner and record the average windspeed.

(BB) When using freeboard refrigeration, the Permittee shall:

- (i) Ensure that the chilled air blanket temperature (in EF) measured at the center of the air blanket, while the solvent cleaning machine is in the idling mode, shall not exceed 30% of the solvents boiling point, as per 40 CFR 63.463 (e)(2)(i) and 63.466 (a)(1).

(CC) 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 10EF 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 is followed.
- (iii) Ensure that parts remain within the superheated vapor for at least the minimum proper dwell time.

(D) Monitor hoist speed according to 40 CFR 63.466 (c).

(E) 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.

(c) This Part 70 Permit does involve pollutant-specific emissions units (vapor degreaser #117 and #118) as defined in 40 CFR 64.1 for a single HAP (Trichloroethylene):

- (1) With the potential to emit before controls equal to or greater than the major source threshold for a single HAP;
- (2) That is subject to an emission limitation or standard for HAPs; and
- (3) Uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

However, the vapor degreasers #117 and #118 are subject to the NESHAP for Halogenated Solvent Cleaning (40 CFR 63, Subpart T); and this NESHAP was promulgated after

November 15, 1990, pursuant to 40 CFR 64.2(b)(i). Therefore, these units are exempt from the requirements of 40 CFR 64 (Compliance Assurance Monitoring).

- (d) The requirements of Section 112(j) of the Clean Air Act (40 CFR Part 63.50 through 63.56) are not applicable to this source because the source does not include one or more units that belong to one or more source categories affected by the Section 112(j) MACT Hammer date of May 15, 2002.

### **State Rule Applicability - Entire Source**

#### **326 IAC 2-1-1.5 (Air Quality Requirements)**

VOCs are precursors for the formation of ozone, and are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS). Thus when evaluating rule applicability relating to the ozone standards, VOC emissions are considered. Since Marion County has been designated as maintenance attainment for the 1-hour ozone standard; and basic nonattainment for the 8-hour ozone standard, VOC emissions were reviewed pursuant to the requirements for nonattainment new source review (NSR).

Before this modification, total VOC PTE was 68.06 tons/year, therefore not a major source of nonattainment NSR. Since the net increase of VOC PTE is at 52.50 tons/year, which is less than the threshold limit of 100 tons/year, this modification does not constitute being major under nonattainment NSR. However, the total VOC PTE will be 120.56 tons/year after this modification, therefore the source will be considered as a major source for nonattainment NSR; and any future modifications will need to be reviewed under these requirements.

#### **326 IAC 2-2 (Prevention of Significant Deterioration (PSD))**

This source was constructed in 1979 and modified in 2000. This source is not 1 of the 28 source categories and the potential to emit of PSD regulated pollutants before control has never exceeded two hundred and fifty (250) tons per year. Therefore, this source is not a PSD major source and the requirements of 326 IAC 2-2 are not applicable.

#### **326 IAC 2-4.1 (New Source Toxics Control)**

The potential to emit (PTE) of HAP from the vapor degreasers #117 and #118 is greater than 10 tons per year for a single HAP and greater than 25 tons per year for any combination of HAPs. The vapor degreasers mentioned above, are subject to 40 CFR 63, Subpart T, therefore, the requirements of 326 IAC 2-4.1 are not applicable.

#### **326 IAC 2-6 (Emission Reporting)**

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has an operating permit under 326 IAC 2-7, Part 70 Permit Program. Pursuant to this rule, the owner/operator of the source must submit an emission statement for the source. This statement must be received by July 1 starting in 2005, and every three (3) years thereafter, as stated in 326 IAC 2-6-3 (1)(b)(2); and contain the minimum requirement as specified in 326 IAC 2-6-4 (c). The submittal should cover the period defined in 326 IAC 2-6-2(8) (Emission Statement Operating Year).

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

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

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.

### State Rule Applicability - Vapor Degreasers (#117 and #118)

#### 326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

The vapor degreaser #117 and #118 were constructed after January 1, 1980 and has the potential to emit VOC greater than 25 tons per year. However, the requirements of 326 IAC 8-3-3 and 326 IAC 8-3-6 apply to this unit; and thus the requirements of 326 IAC 8-1-6 are not applicable.

#### 326 IAC 8-3-3 (Open Top Vapor Degreasing Operations)

This source was constructed after January 1, 1980 and performs open top vapor degreasing operations. Therefore, these degreasers (#117 and #118) are subject to 326 IAC 8-3-3, and the Permittee shall:

- (a) Equip the open top vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone;
- (b) Keep the covers closed at all times except when processing workloads through the degreaser;
- (c) Minimize solvent carry-out by:
  - (1) Racking parts to allow complete drainage;
  - (2) Moving parts in and out of the degreaser at less than eleven (11) feet per minute;
  - (3) Degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;
  - (4) Tipping out any pools of solvent on the cleaned parts before removal;
  - (5) Allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry;
- (d) Not degrease porous or absorbent materials, such as cloth, leather, wood or rope;
- (e) Not occupy more than half of the degreaser's open top area with the workload;
- (f) Not load the degreaser such that the vapor level drops more than fifty percent (50%) of the vapor depth when the workload is removed;
- (g) Never spray above the vapor level;
- (h) Repair solvent leaks immediately, or shut down the degreaser;
- (i) 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;
- (j) Not use workplace fans near the degreaser opening;
- (k) Not allow visually detectable water in the solvent exiting the water separator; and
- (l) Provide a permanent, conspicuous label summarizing the operating requirements.

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

This source was constructed after July 1, 1990, and has open top degreasers with an air to solvent interface of 10.8 square feet or greater. Therefore, these degreasers are subject to 326 IAC 8-3-6 and the Permittee shall ensure that the following requirements are met:

- (a) The Permittee shall ensure that the following control equipment requirements are met for each degreaser (#113, #117, and #118):

- (1) Equip the degreasers with a cover that can be opened and closed easily without disturbing the vapor zone;
  - (2) Equip the degreasers 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 shuts off spray pump if the vapor level drops more than four (4) inches. (The vapor degreaser #113 at this source does not have a spray pump).
  - (3) Equip the degreasers with a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) Equip the degreasers with one (1) of the following control devices:
    - (A) A freeboard ratio of seventy-five hundredths (0.75) or greater and a powdered cover if the degreaser opening is greater than ten and eight-tenths (10.8) square feet; or
    - (B) A refrigerated chiller; or
    - (C) An enclosed design in which the cover opens only when the article is actually entering or exiting each degreaser; or
    - (D) A carbon adsorption system with ventilation which, with the cover open, achieves a ventilation rate of greater than or equal to fifty (50) cubic feet per minute per square foot of air to vapor interface area and an average of less than twenty-five parts per million of solvent is exhausted over one (1) complete adsorption cycle; or
    - (E) Other systems of demonstrated equivalent or better control as those outlined in (A) through (D). Such systems shall be submitted to the U.S.EPA as a SIP revision.
- (b) The Permittee shall ensure that the following operating requirements are met for each degreaser (#113, #117, and #118):
- (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 eleven 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 article 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 degreasers of porous or absorbent materials such as, but not limited to, cloth, leather, wood or rope;
- (4) Prohibit occupation of more than one half (½) of the degreasers' open top area with the workload;
- (5) Prohibit the loading of the degreasers to the point where the vapor level would drop more than 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 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 sixty-five cubic feet per minute per square foot of each degreaser open area unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration (OSHA) requirements;
- (10) Prohibit the use of workplace fans near the degreaser opening;
- (11) Prohibit visually detectable water in the solvent exiting the water separator.

### Compliance Requirements

Permits issued under 326 IAC 2-7 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, and OES in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. 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.

The compliance monitoring requirements applicable to this source are as follows:

1. Pursuant to 40 CFR 63.466, the existing vapor degreaser (#113) has applicable compliance monitoring conditions as specified in (a) (1); and new vapor degreasers (#117 and #118), have applicable compliance monitoring conditions as specified in (a) (2) below:
  - (a) The Permittee shall conduct monitoring and record the results as per 40 CFR 63.466 (a)(1) through (a) (2) and 63.467 on a weekly basis for the control devices, as appropriate, specified in paragraph(s) below:
    - (1) For unit #113, 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.

- (2) For units #117 and #118, the Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket for the freeboard chiller, while the solvent cleaning machine is in the idling mode.
- (b) The Permittee shall monitor the hoist speed per 40 CFR 63.466 (c)(2) on each degreaser 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 IDEM Commissioner and OES Administrator'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.
- (c) The Permittee shall conduct monitoring and record the results as per 40 CFR 63.466 (d)(2) and 63.467 when using a cover for reduced room draft, and as per 40 CFR 63.466 (d)(1) when controlling room parameters for reduced room draft as specified in the following paragraphs:
- (1) The Permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the windspeed within the enclosure or room parameters using the procedure specified in 40 CFR 63.466 (d)(1) and/or (d)(2) and a monthly visual inspection of the enclosure to determine if the enclosure is free of cracks, holes and other defects (or weekly monitoring of room parameters).
    - (A) Determine the direction of the wind current by slowly rotating a velometer until the maximum speed is located.
    - (B) Record the maximum wind speed within enclosure (or average four corner values for room parameters).

These monitoring conditions are necessary because the vapor degreasers must function properly to ensure compliance with 40 CFR 63, Subpart T.

## Conclusion

The construction of the degreasers #117, #118, and solvent still #119, shall be subject to the conditions of this minor source modification numbered 097-19581-00373 and Part 70 significant permit modification numbered 097-19603-00373.

**Part 70 permit changes:**

The table of contents (TOC) and any references of reporting or notifications to OES, have been changed to reflect the proper names.

The following changes are being made to the Part 70 permit. These changes are **bolded** and deletions are ~~struck through~~ for emphasis as follows:

**SECTION A SOURCE SUMMARY**

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and the City of Indianapolis, Office of Environmental Services (OES). The information describing the emission units contained in conditions A.1., A.3 and A.4 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 approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary parts cleaning and solvent distribution facility.

Responsible Official: President  
Source Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
Mailing Address: 2263 Distributors Drive, Indianapolis, Indiana 46241  
General Source No: (317) 241-9379  
SIC Code: **2869, 5051, 7389**  
County Location: Marion  
Source Location Status: **Basic nonattainment for the 8-hour ozone standard;**  
Attainment for all **other** criteria pollutants.  
Source Status: Part 70 Permit Program  
Minor Source, under PSD Rule; **and**  
**Nonattainment New Source Review (NSR).**  
Major Source, Section 112 of the Clean Air Act  
Not 1 of 28 Source Categories

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

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

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPCG **1, Serial Number 71481**), identified as unit #113 and installed in 2001, using vapor to clean metal, **glass** and plastic parts, with a maximum throughput rate of 7,000 pounds of parts per hour **of material**; and the air solvent interface of 36 square feet, controlled by **control option 4** from **40 CFR 63.463 (b)(2)(i) Table 2**: a freeboard ratio of 1.0, superheated vapor and reduced room draft. A carbon adsorber (**model SVRM-3-5-0, Serial Number 72799**), ( identified as #115 and exhausting through Stack S/V-3 **as point emission** ), has been added as additional control and is not part of the compliance. (**Fugitive emissions vent through S/V-1.**) This degreaser is also equipped with one (1) solvent still (**model MR600 SW, Serial Number 73745**), ( identified as **unit #114** ), with a maximum distillation rate of 400 gallons/hr.
- (b) **One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft.**

**The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.**

- (c) **One (1) two dip vapor spray open top degreaser (model 2D500E D-30E, Serial Number 72348), using vapor to clean metal, glass, and plastic parts, with a maximum throughput rate of 2,500 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40CFR63.463(b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.**

B.3 Enforceability [326 IAC 2-7-7]

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- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Appendix A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through ~~August 10, 1997~~ **May 10, 2003** and published in the Indiana Register ~~September 4, 1997~~ **June 1, 2003**, unless otherwise indicated in the adoption by reference **or in Attachment A**. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. 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 OES.

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]  
[326 IAC 2-6]

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- (a) ~~The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement Pursuant to 326 IAC 2-6-3(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1, an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:~~
- (1) ~~Indicate estimated actual emissions of criteria all pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~ **listed in 326 IAC 2-6-4(a);**
  - (2) ~~Indicate estimated actual emissions of other-regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purposes of Part 70 fee assessment.~~
- (b) ~~The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:~~

**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

City of Indianapolis  
Office of Environmental Services  
**Air Compliance**  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

- (e) **(b)** The ~~annual~~ 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 OES, on or before the date it is due.

SECTION D.1 FACILITY OPERATION CONDITIONS (Table continued on next page)

Facility Description [326 IAC 2-7-5(15)]:

Emission Units at Parts Cleaning Technologies, L.L.C:

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPCC1, **Serial Number 71481**), identified as **unit #113** and installed in 2001, using vapor to clean metal, **glass** and plastic parts, with a maximum throughput rate ~~usage~~ of 7,000 pounds of parts-per hour **of material** and the air solvent interface of 36 square feet, controlled by **control option 4 from 40CFR63.463(b)(2)(i) Table 2**: a freeboard ratio of 1.0, superheated vapor, and reduced roomdraft. A carbon adsorber (**model SVRM-3-5-0, Serial Number 72799**), { identified as **unit #115** and exhausting through Stack S/V-3 **as point emission**}, has been added as additional control and is not part of the compliance. (**Fugitive emissions vent through S/V-1.**) This degreaser is also equipped with one (1) solvent still (model MR600 SW, Serial Number 73745), { identified as **unit #114**}, with a maximum distillation rate of 400 gallons/hr.
- (b) **One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics), identified as unit #117, using vapor to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material and the air solvent interface of 15 square feet, controlled by control option 6 from 40CFR63.463(b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.**
- (c) **One (1) two dip vapor spray open top degreaser (model 2D500E D-30) using vapor to clean metal, glass, and plastic parts, with a maximum throughput of 2,500 pounds/hour of material and the air solvent interface of 15 square feet, controlled by control option 6 from 40CFR63.463(b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack SV-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.**

#### D.1.2 Halogenated Solvent Cleaning Machine NESHAP [40 CFR Part 63, Subpart T]

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This facility 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) Pursuant to 40 CFR 63.463(a) and (b), the Permittee shall conform to the following design requirements:
- (1) The cleaning machines shall be designed or operated such that it has a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).
  - (2) **The cross rod cleaning machine (#113) shall be employed with a control combination of freeboard ratio of 1.0, superheated vapor, and reduced room draft; by utilize control option 4 of 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor, and reduced room draft; and the two open top batch degreasers (#117 and #118) shall utilize control option 6 from 40 CFR 63.463(b)(2)(i), Table 2: a freeboard ration of 1.0, freeboard refrigeration and reduced room draft, or other equivalent methods of control as determined using the procedure in 40 CFR 63.469.**
  - (3) ~~The~~ **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 minutes (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
  - (4) The cleaning machines shall be equipped with a device that shuts off sump heat if the sump liquid solvent level drops to the sump heater coils.
  - (5) The cleaning machines shall have a primary condenser.
  - (6) The cleaning machines shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.
- (b) 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~~ **each** cleaning machine opening(s) by creating a reduced room draft as described in 40 CFR 63.463(e)(2)(ii).
  - (2) The parts baskets or the parts being cleaned in ~~the~~ **each** 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~~ **each** 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 **IDEM** Commissioner.
  - (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~~ **U.S. EPA Administrator's** satisfaction to achieve the same or better results as those recommended by the manufacturer.

- (c) Pursuant to 40 CFR 63.463(e), the Permittee shall comply with the following requirements:
- (2) Determine during each monitoring period if the control devices **(emission units #113, #117, and #118)** used to comply with the above standards meets the following requirements:
- (A) When using a reduced room draft, the Permittee shall:
- (i) Ensure that the flow or movement of air across the top of the freeboard area of ~~the~~ **each** solvent cleaning machine or within ~~the~~ **each** solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at anytime as measured using the procedures in 40 CFR 63.466(d).
- (C) When using freeboard refrigeration, the Permittee shall:**
- (i) **Ensure that the chilled air blanket temperature (in F) measured at the center of the air blanket while the solvent cleaning machines are in the idling mode, shall not exceed 30% of the solvents boiling point, as per 40 CFR 63.463 (e)(2)(i), and 63.466 (a)(1).**
- (3) An exceedance has occurred if :
- (A) The requirements of paragraphs (c)(2)(A)(ii), (c)(2)(B)(ii) **and (c) 2)(B)(iii)** of this condition are not met; and
- (B) The requirements of paragraphs (c)(2)(A)(i), (c)(2)(B)(i) **and (c)(2)(C)(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 each 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.

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

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Pursuant to 326 IAC 8-3-3 (Open Top Vapor Degreasing Operations) , for open top vapor degreasing operations constructed after January 1, 1980, **which includes each degreaser, #113, #117, and #118**, the Permittee shall do the following:

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

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Pursuant to 326 IAC 8-3-6 (Open Top Vapor Degreaser Operation and Control Requirements), for open top vapor degreasing operations with an air to solvent interface of ten and eight-tenths (10.8) square feet or greater and constructed after July 1, 1990, the Permittee shall ensure that the following requirements are met:

- (a) The Permittee shall ensure that the following control equipment requirements are met **for each degreaser ( #113, #117 and #118)**:
- (b) The Permittee shall ensure that the following operating requirements are met **for each degreaser ( #113, #117 and #118)**:
- (2) Minimize solvent carryout emissions by:
- (D) tipping out any pools of solvent on the cleaned articles ~~s~~ before removal; and

#### D.1.5 Monitoring Procedures [40 CFR 63.466]

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Pursuant to 40 CFR 63.466, the Permittee shall comply with the following monitoring procedures:

- (a) The Permittee shall conduct monitoring and ~~need to add these records for (a) (b) and (c) to the recordkeeping section~~ record the results on a weekly basis for the control devices, as appropriate, specified in paragraph(s) below:
- (1) **For unit #113,** 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.
  - (2) **For units #117 and #118, the Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket for the freeboard chiller, while the solvent cleaning machines are in the idling mode.**
- (b) The Permittee shall monitor the hoist speed as described below:
- (4) If the Permittee can demonstrate to the **IDEM Commissioner and OES Administrator'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.
- (c) The Permittee shall conduct monitoring and record the results, for a reduced room draft, as specified in the following paragraphs:
- (1) **When using an enclosure to meet reduced room draft,** the Permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the windspeed within the enclosure using the procedure specified below and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects.
  - (2) **When using room parameters to meet reduced room, the Permittee shall conduct an initial monitoring test of the wind speed and room parameters, quarterly monitoring of windspeed, and weekly monitoring of room parameters as specified in procedures of 40 CFR 63.466 (d)(1). Measurement of the wind speed shall be performed within 6 inches above the top of the freeboard area of the solvent cleaning machine by:**
    - (A) **Determining the direction of the wind by slowly rotating a velometer or similar device until the maximum speed is located.**
    - (B) **Orienting a velometer in the direction of the wind current at each of the four corners of the machine.**
    - (C) **Record the reading of each corner.**
    - (D) **Average the values obtained at each corner and record the average windspeed, according to 40 CFR 63.466 (d)(1).**

#### D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility **emission units #113, #117, #118, and its all required** control devices.

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

### D.1.7 Record Keeping Requirements [40 CFR 63.467] [40 CFR 63.466]

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- (a) Pursuant to 40 CFR 63.467(a), the Permittee shall maintain, in written or electronic form, records of the following information specified below, for the life time of the each machine:
- (2) The date of installation of the **each** 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 halogenated HAP solvent content for each solvent used in a **each** solvent cleaning machine.
- (b) Pursuant to 40 CFR 63.467(b), the Permittee shall maintain, in written or electronic form, records of the following information specified below for a period of 5 years:
- (1) Records of the date and results of the weekly measurement of the temperature at the center of the superheated solvent vapor zone (**for unit #113**), while the solvent cleaning machine is in the idling mode, as required in 40 CFR 63.466.
  - (2) **Records of the date and results of the weekly measurement of the temperature at the center of the air blanket (for units #117 and #118), while each solvent machine is in the idling mode, as required by 40 CFR 63.466.**
  - ~~(2)~~ (3) 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)~~ (4) Estimates of annual solvent consumption for each solvent cleaning machine.
- (c) Pursuant to 40 CFR 63.466 **(d)(1) and/or (d)(2)**, the Permittee shall record the monthly monitoring results of the ~~wind direction and the~~ maximum wind speed **and visual inspections**, when using **an enclosure to meet** a reduced room draft as control; **and/or weekly monitoring of room parameters and quarterly monitoring of wind speed, when using room parameters to meet reduced room draft.**

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

### D.1.8 Reporting Requirements

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- (c) **An initial notification report for the new degreasers (#117 and #118), and solvent still (#119), shall be submitted as soon as practicable before the construction is planned to commence, and shall include all of the information required in 40 CFR 63.5 (d)(1) of Subpart A (General Provisions), with the revisions and additions specified in 40 CFR 63.468 (b)(1) through (b)(3).**
- (d) **An initial statement of compliance for the new degreasers (#117 and #118), and solvent still (#119), shall be submitted no later than 150 days after startup, and shall include requirements specified in 40 CFR 63.468 (d)(1) through (d)(6).**
- ~~(e)~~ (e) The Permittee shall submit an annual report by February 1 of ~~each~~ the year following the one for which the reporting is being made. This report shall include the requirements as follows:
- ~~(f)~~ (f) The Permittee shall submit an exceedance report to the **IDEM Commissioner and OES Administrator** semi-annually 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:

- (e) **(g)** 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:
- (3) The **IDEM** 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.
- ~~(f)~~ **(h)** ~~If the Permittee requests~~ an equivalency determination as described in 40 CFR 63.469, **then the Permittee** shall submit an equivalency request report to the ~~Commissioner~~ **U.S. EPA Administrator**, and receive an approval prior to startup.

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
City of Indianapolis  
Office of Environmental Services**

**Addendum to the Technical Support Document  
for a Part 70 Operating Permit**

<b>Source Name:</b>	Parts Cleaning Technologies, Inc., L.L.C
<b>Source Location:</b>	2262 Distributors Drive, Indianapolis, Indiana 46241
<b>County:</b>	Marion
<b>SIC Code:</b>	2869, 5051, 7389
<b>Operation Permit No.:</b>	T097-15900-00373
<b>1st Minor Source (Construction) Mod.No.:</b>	097-19581-00373
<b>1st Significant Permit Modification No.:</b>	097-19603-00373
<b>Permit Reviewer:</b>	Carmen Bugay

On December 9, 2004, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Parts Cleaning Technologies, Inc., L.L.C., (source) had applied to operate a parts cleaning operation under Standard Industrial Classification (SIC) codes of 2869 (Industrial organic chemicals), 5051 (Metals service centers and offices, parts cleaning), and 7389 (Business Services Not Elsewhere Classified, solvents recovery). The notice also stated that OAQ and OES 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 January 3, 2005, Parts Cleaning Technologies, Inc., L.L.C submitted written comments on the draft 1st Significant Permit Modification numbered 097-19603-00373. As the Technical Support Document (TSD) will remain as it originally appeared when published for public notice, changes to the operational permit or technical support material drafts are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The comments from the source and responses from OES and IDEM are as follows:

**General Comment:**

"The following comments are being sent to provide clarification on the material that was submitted for public comment for Parts Cleaning Technologies. Any change that is repeated throughout the documents will be followed by (Repeated). Each paper will be addressed independently."

**Response:**

IDEM, OAQ and OES acknowledge this general comment and will address subsequent comments from the source accordingly.

**Comment 1:** The following is the comment received from the source on serial numbers and description of equipment listed in conditions A.2, A.3, and Section D.1 of this Significant Permit Modification (097-19603-00373).

"1. Approval of Air Permit – Minor Source  
(Construction) Modification

Under, Parts Cleaning Corporation: in section (a)  
Parts Cleaning Corporation: should read

Parts Cleaning Technologies Inc., LLC

The existing carbon adsorber (model SVRM-3-5-0, Serial Number 72799) should read,  
The existing carbon adsorber (model SVRM-2-5-0, Serial Number 72799)

.... This degreaser is also equipped with one (1) shared solvent still (model 2DCR-500-IS), should read  
This degreaser is also equipped with one (1) shared solvent still (model S 100 E), (Repeated)

Under (b),  
model 2D500E D-30 should read  
model 2D500E size D-30.

using vapor to clean metal, ... should read  
using vapor and emersion to clean metal, ...

carbon adsorber (model SVRM-3-5-0, Serial Number 72799) should read,  
carbon adsorber (model SVRM-2-5-0, Serial Number 72799) (Repeated)

one (1) shared solvent still (model 2DCR-550-IS) should read  
one (1) shared solvent still (model S 100 E) (Repeated)

Under Insignificant Activities (a)

One (1) closed loop distillation solvent still, (model number 2DCR-550-IS), identified as unit # 119, with a maximum distillation rate of 100 gallons per hour, connected to the degreasers #113, #117, #118 and to the present carbon adsorption unit (identified as unit # 115), .... should read,

Detrex Corporation:

- (a) One (1) closed loop distillation solvent still, (model number 2DCR-550-IS) identified as unit #119, with a maximum distillation rate of 100 gallons per hour; connected to the degreasers #113, #117, 118 and to the present carbon adsorption unit (identified as unit # 115), exhausting through SV 3 as point emission. In addition, an existing water treatment tank (TTO) system (identified as unit #116) is also utilized for water polishing prior to water discharge. should read,

One (1) distillation solvent still, (model MR 600 SW) identified as unit #101, with a maximum distillation rate of 600 gallons per hour; exhausting through SV 1 as point emission.

Parts Cleaning Technologies Inc., LLC

- (a) One (1) closed loop distillation solvent still, (model number S 400 S) identified as unit #119, with a maximum distillation rate of 400 gallons per hour; connected to the degreasers #114.  
(b) One (1) shared closed loop distillation solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hour; connected to degreasers #117 and #118.  
(c) In addition, an existing water treatment tank (TTO) system (identified as unit #116) is also utilized for water polishing prior to water discharge."

**Response 1:**

Since the Minor Source Modification (097-19581-00373) has been issued, changes cannot be made to the issued decision. However, the changes requested above will be incorporated into this Significant Permit

Modification (097-19603-00373) under conditions A.2, A.3 and Section D.1, with the exception of the Insignificant Activities under the A.4 condition (these are not specifically regulated).

In regards to the affidavit of construction, it is suggested that when submittal is made by the Parts Cleaning Technologies, Inc., L.L.C., to IDEM, OAQ and OES that a note referring to the correct model numbers as stated in the permit numbered 097-19603-00373, should be mentioned with a brief note that those model numbers have been corrected.

**Comment 2:** The following are comments made by the source on the TSD:

"2. Technical Support Document

Under Parts Cleaning Corporation:  
Parts Cleaning Corporation: should read  
Parts Cleaning Technologies Inc., L.L.C.

In (b)

This degreaser is also equipped with one (1) shared solvent still (model 2DCR-550-IS), identified as unit #119, with a maximum distillation rate of 100 gallons/hr. should read

This degreaser is also equipped with one (1) shared solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hr. (Repeated)

Under Insignificant Activities,  
Detrex Corporation:

- (a) One (1) closed loop distillation solvent still, (model number 2DCR-550-IS) identified as unit #119, with a maximum distillation rate of 100 gallons per hour; connected to the degreasers #113, #117, 118 and to the present carbon adsorption unit (identified as unit # 115), exhausting through SV 3 as point emission. In addition, an existing water treatment tank (TTO) system (identified as unit #116) is also utilized for water polishing prior to water discharge. should read,

One (1) distillation solvent still, (model MR 600 SW) identified as unit #101, with a maximum distillation rate of 600 gallons per hour; exhausting through SV 1 as point emission.

Parts Cleaning Technologies Inc., LLC

- (b) One (1) closed loop distillation solvent still, (model number S 400 S) identified as unit #119, with a maximum distillation rate of 400 gallons per hour; connected to the degreasers #114.
- (c) One (1) shared closed loop distillation solvent still (model S 100 E), identified as unit #119, with a maximum distillation rate of 100 gallons/hour; connected to degreasers #117 and #118.
- (d) In addition, an existing water treatment tank (TTO) system (identified as unit #116) is also utilized for water polishing prior to water discharge.

Under Existing Emission Units at Parts Cleaning Technologies, L.L.C: (a)  
A carbon Adsorber (model SVRM-3-5-0) should read  
A carbon Adsorber (model SVRM-2-5-0) (Repeated)

with one solvent still (model MR 600 SW, Serial Number 73745) should read  
with one solvent still (model S 400 S, Serial Number 71481A) (Repeated)

Under Part 70 permit changes: Section A, A. 3, (a)

A carbon adsorber (model SVRM-3-5-0, Serial Number 72799) should read,  
A carbon adsorber (model SVRM-2-5-0, Serial Number 72799) (Repeated)

with one solvent still (model MR600 SW, Serial Number 73745) should read  
with one solvent still (model S 400 S, Serial Number 71481A) (Repeated)

under (b)

one (1) shared solvent still (model 2DCR-550-IS) should read  
one (1) shared solvent still (model S 100 E) (Repeated)

Under (c)  
model 2D500E D-30E, Serial Number 72348 should read  
model 2D500E size D-30, Serial Number 67890.  
Repeated SVRM  
Repeated shared solvent still

Under Section D.1  
Repeated changes on model numbers"

### **Response 2:**

As the Technical Support Document (TSD) will remain as it originally appeared when published for public notice, changes to the permit and/or TSD will be documented in this TSD Addendum. OES and IDEM, OAQ acknowledge the necessary changes and have updated the permit document.

### **Comment 3**

The following comments were received from the source, regarding changes to model, serial numbers and unit descriptions to this Significant Permit Modification (097-19603-00373). These comments are addressed to description items in conditions A.2, A.3 and emission unit descriptions of Section D.1.

"3. Part 70 Operating Permit

Under Source Summary, **Section A, A.3, (a)**  
carbon adsorber (model SVRM-3-5-0, Serial Number 72799) should read,  
carbon adsorber (model SVRM-2-5-0, Serial Number 72799) (Repeated)

one (1) shared solvent still (model 2DCR-550-IS) should read  
one (1) shared solvent still (model S 100 E) (Repeated)

#### **Under (b)**

model 2D500E D-30E, Serial Number 72348 should read  
model 2D500E size D-30, Serial Number 67890. (Repeated)

using vapor to clean metal, ... should read  
using vapor and emersion to clean metal, ...

carbon adsorber (model SVRM-3-5-0, Serial Number 72799) should read,  
carbon adsorber (model SVRM-2-5-0, Serial Number 72799) (Repeated)

one (1) shared solvent still (model 2DCR-550-IS) should read  
one (1) shared solvent still (model S 100 E) (Repeated)

#### **Section D. 1 (b)**

model 2D500E D-30E, Serial Number 72348 should read  
model 2D500E size D-30, Serial Number 67890. (Repeated)

using vapor to clean metal, ... should read  
using vapor and emersion to clean metal,

Repeated SVRM  
Repeated shared still"

### Response 3:

Changes requested by the source during the 30-day public notice comment period on January 3, 2005, have been incorporated into the permit as shown below. These changes are **bolded** and deletions are ~~struck through~~ for emphasis as follows:

## SECTION A SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and the City of Indianapolis, Office of Environmental Services (OES). The information describing the emission units contained in conditions A.1., A.3 and A.4 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 approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

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There are two companies located at 2263 Distributors Drive, Indianapolis, Indiana 46241:

- (a) Parts Cleaning Technologies, **Inc.**, L.L.C., a parts cleaning and solvent distribution facility.

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

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

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPC 1, Serial Number 71481), identified as unit #113 and installed in 2001, using vapor **and emersion** to clean metal, glass and plastic parts, with a maximum throughput rate of 7,000 pounds ~~of parts~~ per hour of material; and the air solvent interface of 36 square feet, controlled by control option 4 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor and reduced room draft. A carbon adsorber (model SVRM-~~3-2-5-0~~, Serial Number 72799), identified as #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) solvent still (model ~~MR600-SW S 400 S~~, Serial Number ~~73745 71481A~~), identified as unit #114, with a maximum distillation rate of 400 gallons/hr.
- (b) One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor **and emersion** to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-~~3 2-5-0~~, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model ~~2DCR-550-1S S 100 E~~), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.
- (c) One (1) two dip vapor spray open top degreaser (model 2D500E **size D-30E**, Serial Number ~~72348 67890~~), identified as unit #118, using vapor **and emersion** to clean metal, glass, and plastic parts, with a maximum throughput rate of 2,500 pounds per hour of material; and the air solvent interface of 15 square feet, controlled by control option 6 from 40CFR63.463(b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing

carbon adsorber (model SVRM-3 2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model ~~2DCR-550-1S~~ **S 100 E**), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.

#### SECTION D.1 FACILITY OPERATION CONDITIONS

##### Facility Description [326 IAC 2-7-5(15)]:

##### Emission Units at Parts Cleaning Technologies, Inc., L.L.C.:

- (a) One (1) cross rod batch vapor degreaser (model 2DCR-550-1S-SPC1, Serial Number 71481), identified as unit #113 and installed in 2001, using vapor **and emersion** to clean metal, glass and plastic parts, with a maximum throughput rate of 7,000 pounds per hour of material and the air solvent interface of 36 square feet, controlled by control option 4 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, superheated vapor, and reduced roomdraft. A carbon adsorber (model SVRM-3 2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and is not part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) solvent still (model ~~MR600-SW~~ **S 400 S**, Serial Number ~~73745~~ **71481A**), identified as unit #114, with a maximum distillation rate of 400 gallons/hr.
- (b) One (1) vapor spray open top degreaser (model VS 50-30-30 Autosonics, Serial Number 53103-3304), identified as unit #117, using vapor **and emersion** to clean metal, glass, and plastic parts, with a maximum throughput rate of 4,000 pounds per hour of material and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3 2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model ~~2DCR-550-1S~~ **S 100 E**), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.
- (c) One (1) two dip vapor spray open top degreaser (model size 2D500E **size D-30**, Serial Number ~~72348~~ **67890**), identified as unit #118, using vapor **and emersion** to clean metal, glass, and plastic parts, with a maximum throughput of 2,500 pounds/hour of material and the air solvent interface of 15 square feet, controlled by control option 6 from 40 CFR 63.463 (b)(2)(i) Table 2: a freeboard ratio of 1.0, freeboard refrigeration, and reduced roomdraft. The existing carbon adsorber (model SVRM-3 2-5-0, Serial Number 72799), identified as unit #115 and exhausting through Stack S/V-3 as point emission, has been added as additional control and not as part of the compliance. (Fugitive emissions vent through S/V-1.) This degreaser is also equipped with one (1) shared solvent still (model ~~2DCR-550-1S~~ **S 100 E**), identified as unit #119, with a maximum distillation rate of 100 gallons/hr.

**Appendix A: Emission Calculations  
VOC and HAPs Emissions  
The Vapor Degreaser (#113)**

**Company Name: Parts Cleaning Technologies, L.L.C**  
**Address: 2263 Distributors Drive, Indianapolis, IN 46241**  
**Part 70: 097-15900-00373 (Part 70 permit)**  
**T097-19581-00373 (minor source modification)**  
**T097-19603-00373 (significant permit modification)**  
**Reviewed: ERG/YC (Part 70 permit)**  
**Modified & Verified by: Carmen Bugay/Boris Gorlin**  
**Date: October 6, 2004**

Unit #113--Existing batch vapor degreaser

**Process Description:**

Solvent/Air Interface: 36\* ft<sup>2</sup> (= 3.344 m<sup>2</sup>)

(\*Note: Number changed from 96 ft<sup>2</sup> to 36 in TSD addendum of 097-15900-00373)

Maximum Throughput Rate: 4,000 lbs/hr of parts  
 Solvent used: Trichloroethylene  
 VOC by Weight: 100%  
 HAPs by Weight: 100%

**1. Uncontrolled Potential to Emit VOC/HAP:**

Pursuant to 40 CFR 63.465(e)(1), the PTE for each individual solvent cleaning machine is determined by the following equation:

Formula: PTE (tons/year) = H x W x SAI x 2.2046 lbs/kg x 1 ton/2000 lbs

Where PTE = the potential to emit for the solvent cleaning machine (kilograms of solvent per year).  
 H = hours of operation for solvent cleaning machine (hours per year)  
 W = the working mode uncontrolled emission rate (kilograms per square meter per hour).  
 W= 1.95 kilograms per square meter per hour for batch vapor machines.  
 SAI = solvent/air interface area of the solvent cleaning machine (square meters).

**PTE of VOC/HAP = 8760 hr/yr x 1.95 kg/m<sup>2</sup>/hr x 3.344 m<sup>2</sup> x 2.2046 lbs/kg x 1 ton/2000 lbs = 62.97 tons/yr**

**Appendix A: Emission Calculations  
VOC and HAPs Emissions  
New Vapor Degreaser (#117)**

**Company Name: Parts Cleaning Technologies, L.L.C**

**Address: 2263 Distributors Drive, Indianapolis, IN 46241**

**Part 70: T097-15900-00373**

**T097-19581-00373 (minor source modification)**

**T097-19603-00373 (significant permit modification)**

**Reviewed & Verified by: Carmen Bugay/Boris Gorlin**

**Date: October 6, 2004**

**Process Description:**

Solvent/Air Interface: 15\*      ft<sup>2</sup>      (= 1.394 m<sup>2</sup>)  
 Maximum Throughput Rate:      4,000 lbs/hr of parts  
 Solvent used: Trichloroethylene  
 VOC by Weight:      100%  
 HAPs by Weight:      100%

**1. Uncontrolled Potential to Emit VOC/HAP:**

Pursuant to 40 CFR 63.465(e)(1), the PTE for each individual solvent cleaning machine is determined by the following equation

Formula: PTE (tons/year) = H x W x SAI x 2.2046 lbs/kg x 1 ton/2000 lbs

Where    PTE =    the potential to emit for the solvent cleaning machine (kilograms of solvent per year).  
           H =    hours of operation for solvent cleaning machine (hours per year)  
           W =    the working mode uncontrolled emission rate (kilograms per square meter per hour).  
                   W= 1.95 kilograms per square meter per hour for batch vapor machines.  
           SAI =    solvent/air interface area of the solvent cleaning machine (square meters).

**PTE of VOC/HAP** = 8760 hr/yr x 1.95 kg/m<sup>2</sup>/hr x 1.394 m<sup>2</sup> x 2.2046 lbs/kg x 1 ton/2000 lbs =      **26.25 tons/yr**



**Appendix A: Emission Calculations**  
**VOC and HAPs Emissions**  
**New Batch Vapor Degreaser (#118)**

**Company Name: Parts Cleaning Technologies, L.L.C**

**Address: 2263 Distributors Drive, Indianapolis, IN 46241**

**Part 70: T097-15900-00373**

**T097-19581-00373 (minor source modification)**

**T097-19603-00373 (significant permit modification)**

**Reviewed & Verified by: Carmen Bugay/Boris Gorlin**

**Date: October 6, 2004**

**Process Description:**

Solvent/Air Interface: 15\*      ft<sup>2</sup>      (= 1.394 m<sup>2</sup>)  
Maximum Throughput Rate: 2,500 lbs/hr of parts  
Solvent used: Trichloroethylene  
VOC by Weight: 100%  
HAPs by Weight: 100%

**1. Uncontrolled Potential to Emit VOC/HAP:**

Pursuant to 40 CFR 63.465(e)(1), the PTE for each individual solvent cleaning machine is determined by the following equation:

Formula: PTE (tons/year) = H x W x SAI x 2.2046 lbs/kg x 1 ton/2000 lbs

Where    PTE =    the potential to emit for the solvent cleaning machine (kilograms of solvent per year).  
          H =    hours of operation for solvent cleaning machine (hours per year)  
          W =    the working mode uncontrolled emission rate (kilograms per square meter per hour).  
                  W= 1.95 kilograms per square meter per hour for batch vapor machines.  
          SAI =    solvent/air interface area of the solvent cleaning machine (square meters).

**PTE of VOC/HAP = 8760 hr/yr x 1.95 kg/m<sup>2</sup>/hr x 1.394 m<sup>2</sup> x 2.2046 lbs/kg x 1 ton/2000 lbs =      26.25 tons/yr**