



State of Ohio Environmental Protection Agency

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Columbus, Ohio 43215

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P.O. Box 1049
Columbus, OH 43216-1049

2/12/2009

ROBERT CLIPPARD
CLIPPARD INSTUMENT LABORATORY INC (B087)
7390 COLERAIN RD
CINCINNATI, OH 45239

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1409030871
Permit Number: P0096905
Permit Type: Renewal
County: Butler

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
Yes	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Hamilton County Dept. of Environmental Services. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: HCDOES

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
CLIPPARD INSTRUMENT LABORATORY INC (B087)**

Facility ID: 1409030871
Permit Number: P0096905
Permit Type: Renewal
Issued: 2/12/2009
Effective: 2/12/2009
Expiration: 2/12/2019



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
CLIPPARD INSTUMENT LABORATORY INC (B087)

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0096905
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Authorization

Facility ID: 1409030871
Application Number(s): A0028531
Permit Number: P0096905
Permit Description: Batch Open Top Vapor Degreaser
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 2/12/2009
Effective Date: 2/12/2009
Expiration Date: 2/12/2019
Permit Evaluation Report (PER) Annual Date: July 1 - June 30, Due Aug 15

This document constitutes issuance to:

CLIPPARD INSTUMENT LABORATORY INC (B087)
4141 THUNDERBIRD LN
FAIRFIELD, OH 45014

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

Facility ID: 1409030871

Effective Date: 2/12/2009

Authorization (continued)

Permit Number: P0096905

Permit Description: Batch Open Top Vapor Degreaser

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	L001
Company Equipment ID:	Open Top Vapor Degreaser
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

Facility ID: 1409030871

Effective Date: 2/12/2009

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Hamilton County Dept. of Environmental Services in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

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change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

Facility ID: 1409030871

Effective Date: 2/12/2009

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

Facility ID: 1409030871

Effective Date: 2/12/2009

C. Emissions Unit Terms and Conditions



1. L001, Open Top Vapor Degreaser

Operations, Property and/or Equipment Description:

Batch Open Top Vapor Degreaser

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. c)(2), d)(7), and e)(4).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile organic compound emissions shall not exceed 408 pounds/week and 9.55 tons/year. See b)(2) and c)(1).
b.	40 CFR Part 63, Subpart T	See b)(2)(a) through b)(2)(d) and c)(3).
c.	OAC rule 3745-21-09(O)	This emissions unit is exempt from the requirements of OAC rule 3745-21-09(O)(2) through (O)(5).
d.	OAC rule 3745-31-05(D)	See c)(2)

(2) Additional Terms and Conditions

a. The open top vapor degreaser shall employ the following:

- i. A cover that can be opened and closed easily without disturbing the vapor zone.
- ii. A condenser flow switch and thermostat or any other device which shuts off the sump heat if the condenser coolant is either not circulating or too warm.



- iii. A spray safety switch which shuts off the spray pump if the vapor level drops below any fixed spray nozzle.
- iv. A water flow switch, water pressure switch, or any other device which shuts off the sump heat if the water in a water-cooled condenser has no flow or no pressure, whichever is being monitored.
- b. Applicable emissions limitations and/or control requirements for existing and new batch vapor cleaning machines complying with the control combination outlined in 40 CFR 63.463:
 - i. A freeboard with a freeboard ratio greater than or equal to 1.0 shall be maintained, and if the open top vapor degreaser opening is greater than 10 square feet, the cover must be powered or equipped with mechanical features whereby it can be readily closed when the degreaser is not in use.
 - ii. The permittee shall operate and maintain a refrigerated chiller for the open top vapor degreaser.
- c. The permittee shall ensure that the chilled air blanket temperature (in degrees Fahrenheit), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point.
- d. The permittee shall ensure that the solvent cleaning machine conforms to the following design requirements:
 - i. The solvent cleaning machine shall be designed or operated to control air disturbances across the solvent cleaning machine by using an idling and downtime mode cover, that shall be in place during the idling and downtime modes, unless: (a) the solvent has been removed, (b) solvent is being added or removed, or (c) maintenance, monitoring, and/or solvent level measurements is/are being performed that requires the cover(s) to be removed. The cover shall be able to be readily opened or closed, shall completely cover the cleaning machine openings when in place, and shall be free of cracks, holes and other defects.
 - ii. The solvent cleaning machine's automated parts handling system shall move the parts or parts baskets at a speed not to exceed 3.4 meters per minute (11 feet per minute, hoist speed), from the initial loading of parts through removal of cleaned parts.
 - iii. The solvent cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid level drops to the sump heater coils.
 - iv. The solvent cleaning machine shall be equipped with a vapor level control device that shuts off the sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.
 - v. The solvent cleaning machine shall have a primary condenser.



c) Operational Restrictions

- (1) The amount of solvent evaporated shall not exceed 30 gallons per week.
- (2) The maximum annual gallons of evaporated solvent for this emissions unit shall not exceed 1404 gallons per year, based upon a rolling, 12-month summation of the solvent usage figures.
- (3) The permittee shall meet all of the following required work and operational practices:
 - a. The parts baskets or the parts being cleaned in solvent 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 meter per minute (3 feet per minute) or less.
 - b. Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine).
 - c. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes must be tipped or rotated before being removed from the solvent cleaning machine unless an equally effective approach has been approved by the regulating agency.
 - d. Parts baskets or parts shall not be removed from the solvent cleaning machine until dripping has stopped.
 - e. During startup of the solvent cleaning machine, the primary condensers shall be turned on before the sump heater.
 - f. During shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
 - g. When solvent is added or drained from the solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings, and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
 - h. The solvent cleaning machine and its associated controls shall be maintained as recommended by the manufacturers of the equipment; or maintained using alternative maintenance practices that have been demonstrated to the satisfaction of the regulating agency (appropriate Ohio EPA District Office or local air agency) to achieve the same or better results as those recommended by the manufacturer.
 - i. Waste solvent, 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 must not allow liquid solvent to drain from the container.
 - j. Sponges, fabric, wood, paper products and/or other porous or absorbent material shall not be cleaned.



- k. The permittee shall complete and pass the applicable sections of the test of the solvent cleaning operating procedures in 40 CFR Part 63, Appendix B if requested during an inspection by the Hamilton County Department of Environmental Services.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall conduct monitoring and record the results on a weekly basis for the freeboard refrigeration device using a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.
 - (2) The permittee shall measure and record the freeboard ratio before and after each addition of make-up solvent to assure compliance with the control requirement limitation. The date of record shall be included with the recorded measurements.
 - (3) The permittee shall monitor the hoist speed as described below and maintain records of the results:
 - a. 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 (meters per minute).
 - b. The permittee shall document that the parts and parts basket does not occupy more than 50 percent of the solvent/air interface area, if the hoist speed exceeds 0.9 meters per minute (3 feet per minute). This determination shall be re-calculated if the parts or basket size increase.
 - c. The permittee shall conduct monthly monitoring of the hoist speed. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly.
 - d. If an exceedance of the hoist speed occurs during quarterly monitoring, the permittee shall return to a monthly monitoring frequency until another year of compliance without an exceedance is demonstrated.
 - e. If the permittee can demonstrate in the initial compliance report, and to the satisfaction of the regulating agency, that the hoist speed cannot exceed a speed of 3.4 meters per minute (11 feet per minute, hoist speed), the required monitoring frequency may be quarterly, including during the first year of compliance.
 - (4) The permittee shall maintain the following records in written or electronic form for the lifetime of the solvent cleaning machine:
 - a. Owner's manuals, or if not available, written maintenance and operating procedures for the solvent cleaning machine and control equipment.
 - b. Records of the halogenated HAP solvent content for each solvent used in the solvent cleaning machine.
 - c. The date of installation for the solvent cleaning machine and all of its control devices.



- (5) The permittee shall maintain the following records in written or electronic form for a period of five years for the solvent cleaning machine:
 - a. The results of the control device monitoring required in this permit.
 - b. Information on the actions taken to comply with 40 CFR 63.463, including the control equipment, the required monitoring parameters, records of written or verbal orders for replacement parts, a description of the repair made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels.
 - c. Estimates of annual solvent consumption for the solvent cleaning machine.
 - (6) The permittee shall maintain weekly records of the amount of solvent evaporated.
 - (7) The permittee shall maintain monthly records of the following information:
 - a. The solvent usage for each month; and
 - b. The rolling, 12-month summation of the solvent usage figures.
- e) Reporting Requirements
- (1) The permittee shall submit an annual report by February 1 of each year, following the year for which the report is being made. This report shall contain the following information:
 - a. a signed statement, by the facility owner or his designee, stating that “all operators of the solvent cleaning machine have received training on the proper operation of solvent cleaning machines and their control devices, sufficient to pass the testing required by the standard”; and
 - b. an estimate of solvent consumption during the reporting period and emissions of each HAP.
 - (2) The permittee shall submit an exceedance report on a semiannual basis, unless it is determined that more frequent reporting is necessary to accurately assess compliance or if an exceedance occurs. Once an exceedance has occurred, the permittee shall submit quarterly exceedance reports, until such time that the permittee requests and receives approval from the regulating agency of less frequent reporting requirements. The permittee may receive approval of less frequent reporting if the following conditions are met:
 - a. the emissions unit has demonstrated a full year of compliance without an exceedance;
 - b. the permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR 63.1, General Provisions; and
 - c. the regulating agency does not object to a reduced frequency of reporting for the affected emissions unit as provided in paragraph (e) (3) (iii) of subpart A, 40 CFR 63.1, General Provisions.



Each exceedance report shall be delivered or post marked by the 30th day following the reporting period. Each exceedance report shall contain the following information:

- d. if an exceedance has occurred, the standard, monitored parameter, emission limit, or other requirement that was exceeded; the reason for the exceedance; and the actions taken to correct any future exceedance of the same limit or requirement;
 - e. action(s) taken to comply with 40 CFR 63.463 (e) and (f) including 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 acceptable levels; and
 - f. if no exceedance has occurred, a statement to that effect shall be submitted.
- (3) The permittee shall submit an exceedance report outlined in e)(2) if the temperature of the chilled air blanket, measured at its center, was greater than 30% of the solvent's boiling point and was not adjusted within 15 days of detection or the freeboard ratio is not maintained at 1.0 or greater.
 - (4) The permittee shall submit quarterly deviation (excursion) reports that identify any exceedance of the gallon usage limitation outlined in c)(2).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (5) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) The permittee shall determine the facility's potential to emit (PTE) from all solvent cleaning operations. A facility's total PTE is the sum of the HAP emissions from all solvent cleaning operations plus all HAP emissions from other emissions units from within the facility. The potential to emit for each emissions unit shall be determined in accordance with the following procedures:
 - a. determine the potential to emit for each individual solvent cleaning machine using the following equation:

$$PTE_i = H_i \times W_i \times SAI_i$$



where:

PTE_i = the potential to emit for the solvent cleaning machine i (kilograms solvent per year)

TPY limit = PTE_i X 0.0011023

H_i = hours of operation for solvent cleaning machine i (hours per year)

= 8760 hours per year, unless otherwise restricted by a federally enforceable requirement

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour)

= 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines

= 1.12 kilograms per square meter per hour for in-line solvent cleaning machines

SAL_i = solvent/air interface area of solvent cleaning machine i (square meters).

(2) Emissions Limitation/Control Requirements

The chilled air blanket temperature measured at the center of the air blanket shall be no greater than 30% of the solvent's boiling point.

Applicable Compliance Method

The solvent's boiling point shall be documented and, on a weekly basis, the permittee shall measure the temperature at the center of the air blanket during the idling mode using a thermometer or thermocouple.

(3) Emissions Limitation/Control Requirements

The freeboard ratio shall be greater than or equal to 1.0.

Applicable Compliance Method

The permittee shall measure and record the freeboard ratio before and after each solvent addition to assure compliance with the control requirement limitation.

(4) Compliance with the usage limits in c)(1) and c)(2) shall be determined by the record keeping in term d)(6) and d)(7).

(5) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation/Control Requirements:

Volatile organic compound emissions shall not exceed 408 pounds/week and 9.55 tons/year.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096905

Facility ID: 1409030871

Effective Date: 2/12/2009

Applicable Compliance Method:

Compliance shall be determined based upon the record keeping in d)(6) and d)(7). As long as compliance is maintained with the usage limits in c)(1) and c)(2) compliance will also be shown with the emission limits.

g) Miscellaneous Requirements

(1) None.