



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

4/22/2013

DUKE ALLYN
CHARDON METAL PRODUCTS
206 FIFTH AVE
CHARDON, OH 44024

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0228000269
Permit Number: P0112943
Permit Type: Renewal
County: Geauga

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) 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. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



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

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
CHARDON METAL PRODUCTS**

Facility ID:	0228000269
Permit Number:	P0112943
Permit Type:	Renewal
Issued:	4/22/2013
Effective:	4/22/2013
Expiration:	4/22/2023



**Division of Air Pollution Control
Permit-to-Install and Operate
for
CHARDON METAL PRODUCTS**

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Final Permit-to-Install and Operate
CHARDON METAL PRODUCTS
Permit Number: P0112943
Facility ID: 0228000269
Effective Date: 4/22/2013

Authorization

Facility ID: 0228000269
Application Number(s): A0046818
Permit Number: P0112943
Permit Description: PTIO renewal permit for emissions unit L002: open top degreaser using methylene chloride for metal parts cleaning
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 4/22/2013
Effective Date: 4/22/2013
Expiration Date: 4/22/2023
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

CHARDON METAL PRODUCTS
206 FIFTH AVENUE
CHARDON, OH 44024

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

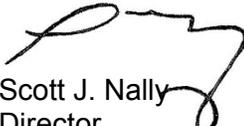
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)425-9171

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


Scott J. Nally
Director



Final Permit-to-Install and Operate
CHARDON METAL PRODUCTS
Permit Number: P0112943
Facility ID: 0228000269
Effective Date: 4/22/2013

Authorization (continued)

Permit Number: P0112943
Permit Description: PTIO renewal permit for emissions unit L002: open top degreaser using methylene chloride for metal parts cleaning

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	L002
Company Equipment ID:	Open Top Vapor Degreaser
Superseded Permit Number:	P0084617
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
CHARDON METAL PRODUCTS
Permit Number: P0112943
Facility ID: 0228000269
Effective Date: 4/22/2013

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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 Ohio EPA DAPC, Northeast District Office 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 submitting¹ 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 emissions 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.

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



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 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.



Final Permit-to-Install and Operate
CHARDON METAL PRODUCTS
Permit Number: P0112943
Facility ID: 0228000269
Effective Date: 4/22/2013

B. Facility-Wide Terms and Conditions



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.



Final Permit-to-Install and Operate
CHARDON METAL PRODUCTS
Permit Number: P0112943
Facility ID: 0228000269
Effective Date: 4/22/2013

C. Emissions Unit Terms and Conditions



1. L002, Open Top Vapor Degreaser

Operations, Property and/or Equipment Description:

Open top vapor degreaser using methylene chloride for metal parts cleaning.

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. None.

b) **Applicable Emissions Limitations and/or Control Requirements**

(1) The specific operation(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 are identified below. 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 3745-21-09 (O)(3)	Exempt. See section b)(2)a.
b.	OAC rule 3745-31-05 (A)(3)	Organic compound (OC) emissions from this emissions unit shall not exceed 49.2 pounds per day and 8.98 tons per year.
c.	40 CFR Part 63, subpart T	See sections b)(2)b, b)(2)c, c)(1), c)(2), c)(3), and c)(4).

(2) **Additional Terms and Conditions**

a. In accordance with OAC rule 3745-21-09 (O)(6)(b), OAC rule 3745-21-09 (O)(2) – (O)(5) shall not apply to any solvent metal cleaning operation which is subject to 40 CFR Part 63, subpart T.

b. **General Design Requirements**

Permittee shall ensure that this batch vapor cleaning machine conforms to the following design requirements as required in 40 CFR §63.463 (a):



- i. An idling and downtime mode cover that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and the other defects.
 - ii. This batch vapor cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
 - iii. This batch vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.
 - iv. This batch vapor 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.
 - v. This batch vapor cleaning machine shall have a primary condenser.
- c. This batch vapor cleaning machine, having a solvent air interface of 1.21 square meters (13 square feet) or less, shall employ a freeboard refrigeration device and dwell, as the chosen control combination selected from Table 1 of subpart T, in accordance with 40 CFR §63.463(b).

c) Operational Restrictions

- (1) The permittee shall meet the following required work and operational practices, in accordance with 40 CFR §63.463 (d):
- a. 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:
 - i. The solvent is being added or removed, or
 - ii. 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.

- b. The parts baskets or the parts being cleaned in this open-top batch vapor 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.
- c. 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).



- d. Parts shall be oriented so that the solvent 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 Administrator.
 - e. Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped.
 - f. During startup of the solvent cleaning machine, the primary condensers shall be turned on before the sump heater.
 - g. 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.
 - h. 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.
 - i. The solvent cleaning machine and 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 (Ohio EPA Northeast District Office) to achieve the same or better results as those recommended by the manufacturer.
 - j. 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 would not allow liquid solvent to drain from the container.
 - k. Sponges, fabric, wood, paper products and/or other porous or absorbent material shall not be cleaned.
- (2) The permittee shall conduct periodic monitoring of the parameters used to demonstrate compliance, as described in the "*Monitoring and Record keeping Requirements*" section of this permit; and these parameters shall meet the requirements established in this permit.
- (3) The permittee shall ensure that the chilled air blanket temperature, measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point.
- (4) The permittee shall assure that the dwell time for parts to remain in the freeboard area above the vapor zone is no less than 35% of the time determined for the part or parts basket to cease dripping. The permittee shall:
- a. determine the appropriate dwell time for each type of part or parts basket, or determine the maximum dwell time using the most complex part type or parts basket as described in the "*Testing Requirements*" section of this permit; and
 - b. ensure that, after cleaning, each part is held in the solvent cleaning machine freeboard area above the vapor zone for the proper dwell time, as determined for



that particular part or parts basket or for the maximum dwell time determined using the most complex part type or part's basket.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) Using a thermometer or thermocouple, the permittee shall measure and record, on a weekly basis, the temperature at the center of the air blanket during the idling mode.
- (2) The permittee shall calculate and record the actual dwell time on a monthly basis, by measuring the period of time parts are held within the freeboard area of the solvent cleaning machine after cleaning. The appropriate dwell time for each part or parts basket shall be calculated using the following procedures:
 - a. The permittee shall determine the amount of time for the part or parts basket to cease dripping once placed in the vapor zone. The part or parts basket used for this determination must be at room temperature before being placed in the vapor zone.
 - b. The permittee shall assure that the proper dwell time for parts to remain in the freeboard area above the vapor zone is no less than 35 percent of the time determined above (a).
- (3) The permittee shall maintain records in written or electronic form specified in the following for the lifetime of this emissions unit:
 - a. Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment;
 - b. The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for 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;
 - c. If a dwell is used to comply with these standards, records of the tests required in section f)(1) to determine an appropriate dwell time for each part or parts basket;
 - d. Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to 40 CFR Part 63, subpart T.
- (4) The permittee must maintain a log of solvent additions and deletions for this emissions unit.
- (5) The permittee shall maintain the following monthly records either in electronic or written form for a period of 5 years:
 - a. The dates and amounts of solvent that are added to this emissions unit;
 - b. The solvent composition of wastes removed from this emissions unit; and
 - c. Calculation sheets showing how the average daily and the annual total emissions from this emissions unit were determined and the results of all calculations.



e) Reporting Requirements

- (1) The permittee shall submit an initial statement of compliance to the regulating agency no later than 150 days following startup of the unit. This report shall include the following information:
 - a. the name and address of the permittee;
 - b. the address (i.e., physical location) of the solvent cleaning machine;
 - c. a list of the control equipment (options) used to achieve compliance; and
 - d. for each piece of control equipment required to be monitored, a list of the parameters monitored, and the values of these parameters measured on or during the first month after the compliance date.
- (2) 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.
- (3) An exceedance or omission of any of the following limits, monitoring parameters, and/or requirements from the standard shall be included in the exceedance reports:
 - a. The permittee shall submit a deviation report if the appropriate dwell time for each type part or parts basket, or the maximum dwell time was not determined; and if, after cleaning, each part was not held in the solvent cleaning machine freeboard area above the vapor zone for the proper or the maximum dwell time for that particular part or parts basket.
 - b. The permittee shall submit a deviation report 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.
- (4) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA Northeast District Office 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. It is recommended that the PER is submitted electronically through the Ohio EPA’s “e-Business center: Air Services” although PERs can be submitted via U.S. Postal service or can be hand delivered.



f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation/Control Requirements:

The permittee has selected or has installed and shall employ a freeboard refrigeration device and dwell, as the control combination required from Table 1, found in 40 CFR 63.463.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the selected control combination, freeboard refrigeration device and dwell, through compliance with the "Additional Terms and Conditions", "Operational Restrictions", and "Monitoring and Record keeping Requirements" and "Testing Requirement" sections of this permit.

b. Emissions Limitation/Control Requirements:

The proper dwell time for the parts to remain in the freeboard area above the vapor zone shall be no less than 35% of the amount of time for the part or parts basket to cease dripping once placed in the vapor zone.

Applicable Compliance Method:

The permittee shall (a) determine the amount of time for the part or parts basket (at room temperature) to cease dripping once placed in the vapor zone, and (b) the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine. The value of (b) divided by (a) shall be no less than 35%. This determination shall be made for each type part cleaned, or may be determined using the most complex part type or parts basket. The dwell time shall be measured on a monthly basis.

c. 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.



d. Emission Limit:

OC emissions shall not exceed 8.98 TPY limit

Applicable Compliance Method:

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:

Determine the potential to emit for each individual solvent cleaning machine using the following equation:

$$PTE_i = H_i \times W_i \times SA_{i_i}$$

where:

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

$$TPY \text{ limit} = PTE_i \times 0.0011023$$

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

SA_{i_i} = solvent/air interface area of solvent cleaning machine i (square meters).

e. Emission Limit:

OC emissions shall not exceed 49.2 pounds per day

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section d)(5).

g) Miscellaneous Requirements

(1) None.