



Environmental Protection Agency

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

3/9/2011

Una Alexandrovic
ORBIT INDUSTRIES, INC.
6840 LAKE ABRAM DRIVE
MIDDLEBURG HTS, OH 44130

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1318348304
Permit Number: P0095605
Permit Type: Renewal
County: Cuyahoga

Certified Mail

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

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

The issuance of this PTI 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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Cleveland Division of Air Quality at (216)664-2297 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: CDAQ



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
ORBIT INDUSTRIES, INC.**

Facility ID:	1318348304
Permit Number:	P0095605
Permit Type:	Renewal
Issued:	3/9/2011
Effective:	3/9/2011
Expiration:	3/9/2016



Division of Air Pollution Control
Permit-to-Install and Operate
for
ORBIT INDUSTRIES, INC.

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Authorization

Facility ID: 1318348304
Application Number(s): A0027189
Permit Number: P0095605
Permit Description: Renewal permit for open top vapor degreaser. Previously permitted under PTI #13-04251 issued 10/7/2004.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 3/9/2011
Effective Date: 3/9/2011
Expiration Date: 3/9/2016
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

ORBIT INDUSTRIES, INC.
6840 LAKE ABRAM DRIVE
MIDDLEBURG HTS, OH 44130

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

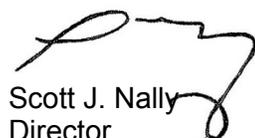
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

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



Authorization (continued)

Permit Number: P0095605
Permit Description: Renewal permit for open top vapor degreaser. Previously permitted under PTI #13-04251 issued 10/7/2004.

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:	VAPOR DEGREASER
Superseded Permit Number:	13-04251
General Permit Category and Type:	Not Applicable

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 Cleveland Division of Air Quality 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.

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.

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).

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.

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.

C. Emissions Unit Terms and Conditions



1. L001, VAPOR DEGREASER

Operations, Property and/or Equipment Description:

Trichloroethylene 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. 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 3745-31-05(A)(3)	8.68 lbs per hour and 9.98 tons per year (TPY) of volatile organic compounds (VOCs) as Trichloroethylene (TCE).
b.	OAC Rule 3745-21-09(O)(3)	In accordance with OAC Rule 3745-21-09(O)(6)(b), the requirements of OAC Rule 3745-21-09(O)(3) shall not apply to this emissions unit.
c.	OAC Rule 3745-31-05(D)	See Additional Terms and Conditions b)(2)a. and b)(2)b. below.
d.	40 CFR, Subpart T	See Additional Terms and Conditions b)(2)c below.

- (2) Additional Terms and Conditions
- a. The permittee shall ensure that the annual trichloroethylene (TCE) usage does not exceed 1,640 gallons per year, based on a rolling 12-month summation of the TCE usage rates.
 - b. The TCE emissions are restricted to 9.98 tons per year, based on a rolling, 12-month summation.
 - c. 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 meet the following control equipment or technique requirements:
 - (a) an idling and downtime mode cover, as described in c)(3)a. below, that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects; and
 - (b) a reduced room draft as described in d)(3)b. below.
 - ii. The solvent cleaning machine shall have a freeboard ratio of 1.0 or greater.
 - iii. The solvent 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. The solvent 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. This requirement does not apply to a vapor cleaning machine that uses steam to heat the solvent.
 - v. The solvent 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.
 - vi. The solvent vapor cleaning machines shall have a primary condenser.
 - vii. If the solvent cleaning machine uses lip exhaust it shall be designed and operated to route all collected solvent vapors through a properly operated and maintained carbon adsorber that meets the requirements of 40 CFR 63.463(2)(vii).
- c) Operational Restrictions
- (1) The maximum annual trichloroethylene (12.17 lbs TCE per gallon or less) usage shall not exceed 1,640-gallons, based upon a rolling 12-month summation of the TCE usage rates.

- (2) The permittee/operator of a batch vapor cleaning machine with a solvent/air interface area greater than 1.21 square meters shall employ the following control combination:
- a. freeboard refrigeration device;
 - b. reduced room draft; and
 - c. free board ration of 1.0.
- (3) The permittee/operator shall meet all of the following work and operational practices as applicable:
- a. Control air disturbances across the cleaning machine opening(s) by incorporating either of the following methods:
 - i. cover(s) to each solvent cleaning machine shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place; or
 - ii. reduce room draft as described in section d)(3)b.
 - b. The parts basket or the parts being cleaned 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 the solvent cleaning machine unless an equally effective approach has been approved by the Ohio Environmental Protection Agency (Ohio EPA) or the Cleveland Division of Air Quality (CDAQ);
 - e. Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped;
 - f. During the startup of the cleaning machine, the primary condenser 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 leak-proof couplings and the end of the pipe in the solvent pump 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 using alternative maintenance practices that have been demonstrated to the Ohio EPA's or

CDAQ's satisfaction to achieve the same or better results as those recommended by the manufacturer;

- j. The permittee shall complete and pass the applicable sections of the test of solvent cleaning operation procedures in Appendix A of 40 CFR 63, Subpart T is requested during an inspection by the Ohio EPA or CDAQ;
 - k. 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; and
 - l. Sponges, fabric, wood, and paper products shall not be cleaned.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain records of the following:
 - a. amount of solvent used per month in this emissions unit;
 - b. actual hours of operation, per month, for this emissions unit;
 - c. a log of solvent additions and removals for the solvent cleaning machine; and
 - d. all control equipment maintenance, such as replacement of the carbon in the carbon adsorption unit.
 - (2) The permittee shall conduct monitoring of each control device used to comply with 40 CFR 63.463 and the terms and conditions of this permit.
 - (3) The permittee shall determine during each monitoring period whether each control device used to comply with these standards meets the requirements specified in the requirements below:
 - a. If a freeboard refrigeration device is used to comply with the standards, the permittee shall ensure that the chilled air blanket temperature (in Fahrenheit), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point; and
 - b. If a reduced room draft is used to comply with the standards, the permittee shall comply with the following requirements:
 - i. Ensure that the flow or movement of air across the top of the freeboard area of the solvent cleaning machine or within the solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at any one time as measured using the procedures in 40 CFR 63.466(d); and
 - 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).
 - (4) If any of the requirements above in d)(2) and d)(3) are not met, determine whether an exceedance has occurred using the criteria below:

- a. An exceedance has occurred if the requirements in d)(3)b.ii have not been met; and
 - b. An exceedance has occurred if the requirements in d)(3)a. or d)(3)b. have not been met and are not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system control device to reestablish required levels. The parameter must be re-measured immediately upon adjustment or repair and demonstrated to be within required limits.
- (5) The permittee shall conduct monitoring and record the results on a weekly basis for the control device specified below:
- a. For a freeboard refrigeration device, the permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.
- (6) The permittee shall conduct monitoring and record the results on a monthly basis for the control devices specified below:
- a. For a cover (working-mode, downtime mode, and/or idling mode cover), the permittee shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and it is free of cracks, holes, and other defects.
- (7) When using a reduced room draft, the permittee shall monitor and record the results as specified below:
- a. If the reduced draft is maintained by controlling room parameters (i.e. redirecting fans, closing doors, and windows, etc.), the permittee shall conduct monitoring of the wind speed, including quarterly monitoring of wind speed, and weekly monitoring of room parameters:
 - i. Measure the wind speed within 6 inches above the top of the freeboard area of the solvent cleaning machine using the procedure specified below:
 - (a) Determine the direction of the wind speeds current by slowly rotating a velometer or similar device until the maximum speed is located;
 - (b) Orient a velometer in the direction of the wind current at each of the four corners of the machine;
 - (c) Record the reading for each corner; and
 - (d) Average the values obtained at each corner and record the average wind speed.
 - ii. Monitor on a weekly basis the room parameters established in the initial compliance test that are used to achieve the reduced room draft.
 - b. If an enclosure (full or partial) is used to achieve a reduced room draft, the permittee shall conduct monthly monitoring tests of the wind speed within the

e) Reporting Requirements

- (1) The permittee shall notify CDAQ in writing for the identification of each exceedance specified below. This notification shall include a copy of such record and shall be sent to CDAQ within 45 days after the exceedance occurs.
 - a. TCE emissions exceeding 8.68 lbs/hr (on an average monthly basis); or
 - b. TCE emissions exceeding 9.98 tons/year.
- (2) The permittee shall submit quarterly deviation reports that identify all exceedances of the rolling, 12-month TCE usage rate limitation and all exceedances of the maximum allowable cumulative production levels.
- (3) The permittee shall submit an annual report by February 1st of each year for the preceding year. Each annual report shall contain the following:
 - a. A signed statement from the facility's responsible official 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 per 40 CFR 63.463(d)(10)"; and
 - b. An estimate of solvent consumption for the solvent cleaning machine during the reporting period.
- (4) The permittee shall submit an exceedance report on a semi-annual basis. If no operation conditions were established under which the wind speed was demonstrated to be 15.2-meters per minute (50 feet per minute) and/or if the flow of air across the top of the freeboard area of the cleaning machine or within the solvent cleaning machine enclosure exceed 15.2 meters/minute and no correction was made within 15 days of detection or if the temperature of the chilled air blanket, measured at the center of the air blanket, was greater than 30% of the solvent's boiling point, and no correction was made within 15 days of detection, the permittee shall begin to submit a quarterly report until such time that the permittee requests and receives approval of a less frequent reporting frequency from CDAQ. The permittee may receive approval of less frequent reporting if the following conditions are met: (1) The emissions unit has demonstrated a full year of compliance without exceedance, (2) the permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40CFR 63.1, General Provisions, and (3) CDAQ 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:
 - a. The reason and description of the exceedance and actions(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 the additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels;

- b. If no exceedance has occurred, a statement to that effect shall be submitted.
- (5) 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 conditions below are met:
- a. The source has demonstrated a full year of compliance without exceedance;
- b. The permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in Subpart A (General Provisions) and in 40 CFR 63, Subpart T;
- c. The Ohio EPA or CDAQ does not object to a reduced frequency or reporting for the affected source as provided in paragraph (e)(3)(iii) of Subpart A (General Provisions).
- (6) 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.
- (7) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- f) Testing Requirements
- (1) Compliance with the emissions limitation in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emissions Limitation:
9.98 tons/year of volatile organic compounds (VOCs)
- Applicable Compliance Method:
Compliance shall be determined using the following calculation:
- $$(n \text{ gallons/year})(12.17 \text{ lbs VOC/gal})(1 \text{ ton}/2000 \text{ lbs}) = \text{TPY of VOC}$$
- Where:
- $n = (\text{actual gallons of solvent used in emissions unit}) - (\text{amount of recovered waste})$
- 12.17 lbs VOC/gallon = the maximum VOC content of solvent used.
- b. Emission Limitation:
8.68 lbs/VOC per hour

Applicable Compliance Method:

Compliance shall be based on the following information:

$$(n \text{ gallons/month})(12.17 \text{ lbs VOC/gallon})(1 \text{ month}/x \text{ hours}) = \text{lbs/VOC/hour}$$

Where:

x = actual number of hours this emissions unit operated per month.

- (2) The permittee shall determine their potential to emit (PTE) using the procedure described below. A facility's total PTE is the sum of the HAP emissions from the solvent cleaning operations, plus all HAP emissions from other sources within the facility.

- a. Determine the PTE for each individual solvent cleaning operation using the following equation:

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

Where:

PTE_i = the potential to emit for solvent cleaning machine I (kilograms of solvent per year);

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

W_i = the working mode uncontrolled emissions rate (kilograms per square meters per hour);

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). 40 CFR 63.461 defines the SAI area for those machines that have a SAI.

- b. Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for the solvent cleaning operations within the facility.

- g) Miscellaneous Requirements

- (1) None.