State of Ohio Environmental Protection Agency

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3/1/2010

Certified Mail

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No	PSD
No	SYNTHETIC MINOR
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No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

SCOTT MOUTON
PAN GLO MANSFIELD
417 E. WATER ST.
P.O. BOX 150
URBANA, OH 43078

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0370010203
Permit Number: P0087549
Permit Type: Renewal
County: Richland

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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/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 Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-NWDO

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
PAN GLO MANSFIELD

Facility ID:	0370010203
Permit Number:	P0087549
Permit Type:	Renewal
Issued:	3/1/2010
Effective:	3/1/2010
Expiration:	3/1/2020

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
PAN GLO MANSFIELD

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Authorization

Facility ID: 0370010203
Application Number(s): A0018554
Permit Number: P0087549
Permit Description: Renewal PTIO for (2) miscellaneous metal parts coating lines and (2) solvent metal cold cleaners
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 3/1/2010
Effective Date: 3/1/2010
Expiration Date: 3/1/2020
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

PAN GLO MANSFIELD
1711 NORTH MAIN STREET
MANSFIELD, OH 44903

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:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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

Authorization (continued)

Permit Number: P0087549
Permit Description: Renewal PTIO for (2) miscellaneous metal parts coating lines and (2) solvent metal cold cleaners

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

Emissions Unit ID:	**K001**
Company Equipment ID:	Coating Line
Superseded Permit Number:	03-13241
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K002**
Company Equipment ID:	Miscellaneous metal parts coating line 2
Superseded Permit Number:	03-13241
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**L001**
Company Equipment ID:	Cleaning Line
Superseded Permit Number:	03-13241
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**L002**
Company Equipment ID:	Cleaning Line
Superseded Permit Number:	03-13241
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. 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 Ohio EPA DAPC, Northwest 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 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 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.

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. K001, Miscellaneous metal parts coating line 1

Operations, Property and/or Equipment Description:

Micellaneous metal parts coating line 1

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. d)(5) through d)(7).

(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 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)	11.04 lbs organic compounds (OC)/hr and 48.4 tons OC/yr from coating operations 362.5 lbs OC/month and 2.18 tons OC/yr from cleanup operations
b.	OAC rule 3745-21-09(B)(6)	See b)(2)a.
c.	OAC rule 3745-21-09(U)(1)(i)	See b)(2)a.

(2) Additional Terms and Conditions

a. In lieu of complying with the pounds of organic material (OC) per gallon of solids limitation contained in OAC rule 3745-21-09(U)(1)(i), the permittee has chosen to employ a control device (incinerator) and will demonstrate the capture and control efficiency provide not less than an eighty one percent reduction, by weight, in the overall OC emissions from the coating line and that the control device has a destruction efficiency of not less than ninety percent, by weight, for the OC emissions vented to the control device in accordance with OAC rule 3745-21-09(B)(6).

c) Operational Restrictions

(1) The permittee shall operate a thermal incinerator at all times when the emissions unit is in operation.

(2) The average combustion temperature, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(2) The permittee shall collect and record the following information for each day for the control equipment:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated that the emissions unit was in compliance.

b. A log for the capture (collection) system, control device and monitoring equipment which includes the following:

i. Downtime when the associated emissions unit was in operation.

ii. Operating time.

(3) The permittee shall collect and record the following information each month:

a. The company identification for each coating material employed.

b. The organic compound (OC) content of each coating employed, in lbs/gallon, as applied

c. The number of gallons of each coating material employed.

d. The total OC emission rate for all coatings, in lbs/month [summation of d)(3)b. x d)(3)c. for each coating employing the overall control efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance).

e. The annual, year to date, combined (controlled) OC emissions from all coating material usage [summation of d)(3)d. for each calendar month to date from January to December].

(4) The permittee shall collect and record the following information each month:

a. The name and identification number of each cleanup material employed.

b. The OC content of each cleanup material employed.

c. The number of gallons of each cleanup material employed.

d. The total OC emission rate for all cleanup materials employed in lbs/month [summation of d)(4)b. x d)(4)c. for each cleanup material employed].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site, reclaimed for disposal, or reused in operations at the facility:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material)-(total gallons cleanup material sent off-site for disposal, reclaimed, or reused in operations at the facility [minus solids content of said material]) x solvent density

e. The annual, year to date OC emissions from all cleanup materials employed [summation of d)(4)d. for each calendar month to date from January to December].

(5) The permit to install for emissions units K001 & K002 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's “Review of New Sources of Air Toxic Emissions” policy ("Air Toxic Policy") was applied for each pollutant emitted by the emissions units using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the “worst case” pollutant(s):

Pollutant: Toluene*

TLV (mg/m3): 188

Maximum Hourly Emission Rate (lbs/hr): 12.4

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 583.8

MAGLC (ug/m3): 4476

*The following additional conservative assumptions were made in the Screen modeling:

For emissions unit K001 & K002, all emissions of toxic compounds in the coatings or cleanup materials were assumed to be Toluene which has the lowest TLV of the remaining toxic compounds.

(6) Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

(7) The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

e) Reporting Requirements

(1) The permittee shall submit quarterly summaries of the following records:

a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the

most recent emissions test that demonstrated that the emissions unit was in compliance.

(2) 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 conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. Emissions testing shall be conducted within 5 years after permit issuance.

b. The emission testing shall be determined in conformance with OAC rule 3745-21-10 to demonstrate compliance with an overall control efficiency (capture & destruction) of 81% for OC and a control device (incinerator) efficiency of not less than 90% for OC.

c. Method 25 or 25A of 40 CFR Part 60, Appendix A shall be employed to demonstrate compliance with the overall control efficiency (capture & destruction) of 81% for OC and a control device (destruction) efficiency of not less than 90% for OC. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The capture efficiency used in determining overall control efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with USEPA's "Guidelines for Determining Capture Efficiency" dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative method if such method does not contravene any other applicable requirement.) The control efficiency [i.e. the percent reduction in mass emissions between the inlet and outlet of the control system] shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of organic species present and their total concentration, and on a consideration of the potential presence of the potential presence of interfering gases.

e. The test shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and

date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(2) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 11.04 lbs OC/hr from coating operations

Applicable Compliance Method: The hourly OC emission limitation is based on the emission units potential to emit*. Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential to emit for this emissions unit was based on a maximum OC content of 5.8 lbs per gallon, a maximum hourly usage rate of 10.01 gallons per hour, and an overall control efficiency of 81%.

b. Emission Limitation: 48.4 tons OC/yr from coating operations

Applicable Compliance Method: Compliance shall be based on recordkeeping requirements contained in section d)(3) of this permit.

c. Emission Limitation: Use of control system with 81% overall control efficiency (capture & destruction) rate for OC and a control device (destruction) efficiency of not less than 90% for OC.

Applicable Compliance Method: Compliance with this limitation will be based upon the required testing in section f)(1).

d. Emission Limitation: 362.5 lbs OC/month and 2.18 tons OC/yr from cleanup operations

Applicable Compliance Method: Compliance with these limitations shall be based on recordkeeping requirements contained in section d)(4) of this permit.

g) Miscellaneous Requirements

(1) None.

2. K002, Miscellaneous metal parts coating line 2

Operations, Property and/or Equipment Description:

Miscellaneous metal parts coating line 2

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. d)(3) through d)(5).

(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 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)	58 lbs organic compounds (OC)/day and 10.6 tons OC/yr from coating operations 362.5 lbs OC/month and 2.18 tons OC/yr from cleanup operations
b.	OAC rule 3745-21-09(U)(2)(e)(ii)	OC emission exemption, based on maximum daily coating usage not exceeding 10 gallons of coating in any one day

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating line:

a. The name and identification number of each coating employed.

b. The volume, in gallons, of each coating employed.

c. The total volume, in gallons of all of the coatings employed.

d. The organic compound (OC) content of each coating employed, in lbs/gallon, as applied.

e. The OC emissions rate for each coating employed [d)(1)b. x d)(1)d. for each coating employed].

f. The total OC emissions rate for all coatings, in lbs/day [summation of d)(1)e.]

g. The annual, year to date OC emissions from all coating material usage [summation of d)(1)f. for each calendar month to date from January to December].

(2) The permittee shall collect and record the following information each month:

a. The name and identification number of each cleanup material employed.

b. The OC content of each cleanup material employed.

c. The number of gallons of each cleanup material employed.

d. The total OC emissions rate for all cleanup materials employed, in lbs/month [summation of d)(2)b. x d)(2)c. for each cleanup material employed].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material)-(total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density

e. The annual, year to date OC emissions from all cleanup materials employed [summation of d)(2)d. for each calendar month to date from January to December].

(3) The permit to install for emissions units K001 & K002 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's “Review of New Sources of Air Toxic Emissions” policy ("Air Toxic Policy") was applied for each pollutant emitted by the emissions units using data from the permit to install application and the SCREEN 3.0 model (or other Ohio

EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Toluene*

TLV (mg/m3): 188

Maximum Hourly Emission Rate (lbs/hr): 9.85

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 463.2

MAGLC (ug/m3): 4476

*The following additional conservative assumptions were made in the Screen modeling:

For emissions unit K001 & K002, all emissions of toxic compounds in the coatings or cleanup materials were assumed to be Toluene which has the lowest TLV of the remaining toxic compounds.

(4) Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

(5) The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

e) Reporting Requirements

(1) The permittee shall notify the Director, (the appropriate Ohio EPA District Office or local air agency), in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

(2) 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) Compliance with the emission limitation in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>: 58 lbs OC/day from coating operations

<u>Applicable Compliance Method</u>: The daily OC emissions limitation is based on the emission unit's potential to emit*. Therefore, no daily recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential to emit for this emissions unit was based on a maximum OC content of 5.8 lbs per gallon and a maximum daily usage rate of 10 gallons per day.

b. <u>Emission Limitation:</u> 10.6 tons OC/yr from coating operations

<u>Applicable Compliance Method</u>: Compliance shall be determined based upon the recordkeeping requirements specified in section d)(1).

c. Emission Limitation: 362.5 lbs OC/month and 2.18 tons OC/yr

Applicable Compliance Method: Compliance with these limitations shall be based on recordkeeping requirements contained in section d)(2) of this permit.

d. Emission Limitation: Coating usage shall not exceed 10 gallons of coating in any one day

Applicable Compliance Method: Compliance with this limitation shall be based on recordkeeping requirements contained in section d)(1) of this permit.

g) Miscellaneous Requirements

(1) None.

3. L001, Cleaning Line

Operations, Property and/or Equipment Description:

Solvent metal cold clean; Line 1

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 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)	3.98 tons organic compounds (OC)/year
b.	OAC rule 3745-21-09(O)(2)	Work Practices and Control Design [See b)(2)a. through b)(2)e.]

(2) Additional Terms and Conditions

a. The cold cleaner shall be operated with a cover, and if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute, measure at 100 degrees Fahrenheit or, if the solvent is heated or agitated, the cover shall be designed and constructed so that it can be easily operated with one hand.

b. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system.

c. The cold cleaner cover shall be closed at all times except when loading and unloading parts.

d. The cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:

i. Provide a permanent, legible, conspicuous label, summarizing the operating requirements.

ii. Store waste solvent in covered containers.

iii. Close the cover whenever parts are not being handled in the cleaner.

iv. Drain the cleaned parts until dripping ceases

v. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge.

vi. Clean only materials that are neither porous nor absorbent.

e. The permittee shall maintain a freeboard ratio of greater than or equal to 0.7.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for cleanup material usage in this emissions unit:

a. The company identification for all solvents employed in the cold cleaner.

b. The vapor pressure of each solvent employed, in pound per square inch absolute, measured at 100 degrees Fahrenheit.

c. The organic compounds content for each solvent employed.

d. The number of gallons of each solvent employed.

e. The organic compound emission rate for each solvent employed [d)(1)c. x d)(1)d.].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

f. The total organic compound emission rate for all solvents employed [summation of d)(1)e.].

g. The annual, year to date OC emissions from all solvent material usage [summation of d)(1)f. for each calendar month to date from January to December].

e) Reporting Requirements

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

a. Emission Limitation: 3.98 tons OC/yr

Applicable Compliance Method: Compliance with the annual organic compound emission limit shall be based upon the recordkeeping requirements contained in section d)(1) of this permit.

g) Miscellaneous Requirements

(1) None.

4. L002, Cleaning Line

Operations, Property and/or Equipment Description:

Solvent metal cleaner; Line 2.

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 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)	4.99 tons organic compounds (OC)/yr
b.	OAC rule 3745-21-09(O)(2)	Work Practices and Control Design [See b)(2)a. through b)(2)e.]

(2) Additional Terms and Conditions

a. The cold cleaner shall be operated with a cover, and if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute, measure at 100 degrees Fahrenheit or, if the solvent is heated or agitated, the cover shall be designed and constructed so that it can be easily operated with one hand.

b. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system.

c. The cold cleaner cover shall be closed at all times except when loading and unloading parts.

d. The cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:

i. Provide a permanent, legible, conspicuous label, summarizing the operating requirements.

ii. Store waste solvent in covered containers.

iii. Close the cover whenever parts are not being handled in the cleaner.

iv. Drain the cleaned parts until dripping ceases.

v. If used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a pressure that does not exceed 10 pounds per square inch gauge.

vi. Clean only materials that are neither porous nor absorbent.

e. The permittee shall maintain a freeboard ratio of greater than or equal to 0.7.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for cleanup material usage in this emissions unit:

a. The company identification for all solvents employed in the cold cleaner.

b. The vapor pressure of each solvent employed, in pound per square inch absolute, measured at 100 degrees Fahrenheit.

c. The organic compounds content for each solvent employed.

d. The number of gallons of each solvent employed.

e. The organic compound emission rate for each solvent employed [d)(1)c. x d)(1)d.].

The company may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

f. The total organic compound emission rate for all solvents employed [summation of d)(1)e.].

g. The annual, year to date OC emissions from all solvent material usage [summation of d)(1)f. for each calendar month to date from January to December].

e) Reporting Requirements

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

a. Emission Limitation: 3.98 tons OC/yr

Applicable Compliance Method: Compliance with the annual organic compound emission limit shall be based upon the recordkeeping requirements contained in section d)(1) of this permit.

g) Miscellaneous Requirements

(1) None.