



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.  
Center

**RE: FINAL PERMIT TO INSTALL  
ROSS COUNTY  
Application No: 06-5895**

**CERTIFIED MAIL**

**DATE: November 24, 1999**

Vitaoe Industries, Inc.  
Larry Vitaoe  
100 Chamber Drive PO Box 224  
Chillicothe, OH 45601

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging 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 Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA  
DAPC, SEDO



**Permit To Install  
Terms and  
Conditions**

**Issue Date: November 24, 1999  
Effective Date: November 24, 1999**

**FINAL PERMIT TO INSTALL 06-5895**

Application Number: 06-5895  
APS Premise Number: 0671010143  
Permit Fee: **\$1000**  
Name of Facility: Vitatoe Industries, Inc.  
Person to Contact: Larry Vitatoe  
Address: 100 Chamber Drive PO Box 224  
Chillicothe, OH 45601

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**100 Chamber Drive  
Chillicothe, Ohio**

Description of proposed emissions unit(s):  
**4 PAINT BOOTHS WITH OVENS.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

---

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

#### **10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

#### **11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

#### **12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **13. Source Operation and Operating Permit Requirements After Completion of**

**Vitatoe Industries, Inc.**  
PTI Application: **06-5895**  
**November 24, 1999**

Facility ID: **0671010143**

### **Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

Vitaoe Industries, Inc.  
PTI Application: 06-5895  
November 24, 1999

Facility ID: 0671010143

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	24.98
PM	9.6

---

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
North Booth and Oven #1 with dry filter media system	OAC 3745-21-09(U)(1)(c)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for an extreme performance coating (daily volume-weighted average).
	OAC rule 3745-31-05(A)(3)	Total VOC and HAPS emissions are limited to 8.0 lbs/hr and 6.245 tons/year from this emissions unit and 24.98 tons/year facility wide.
	OAC rule 3745-17-07	Compliance with the Air Toxics Policy  20 percent opacity except as provided by rule.
	OAC 3745-17-11	Particulate matter is limited to 0.551 lbs/hr and 2.4 tons/year.

**2. Additional Terms and Conditions**

- 2.a The best available control technology for the control of particulate emissions from this source is to employ a dry filter media system.

**B. Operational Restrictions**

**Vitato**  
 PTI A<sub>1</sub>  
 November 24, 1999

Emissions Unit ID: **R001**

1. The maximum total annual VOC and HAPS material usage for emissions units K001, K002, K003 and K004 shall not exceed 24.98 tons, based upon a rolling, 365-day summation of the usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of the permit to install, the permittee shall not exceed the usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Coating and Cleanup Usage</u>
1	4.0 tons
1-2	6.0 tons
1-3	8.0 tons
1-4	10.0 tons
1-5	12.0 tons
1-6	14.0 tons
1-7	16.0 tons
1-8	18.0 tons
1-9	20.0 tons
1-10	22.0 tons
1-11	24.0 tons
1-12	24.98 tons

After the first 12 calendar months of operation following issuance of the permit to install, compliance with the annual usage limitation shall be based upon a rolling, 365-day summation of the usage figures.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information each day for the line:
  - a. The name and identification number of each coating and clean up material, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - c. The HAPS content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - d. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accord

ance  
with  
the  
equatio  
n  
specifie  
d in  
paragra  
ph  
(B)(9)  
of  
OAC  
rule  
3745-  
21-10  
for  
CVOC  
,2.

- 2. The permittee shall maintain records of the following information:
  - a. The VOC and HAPS usage (coatings and clean up materials) for each day.
  - b. Beginning after the first 12 calendar months of operation following issuance of permit to install number 06-5644, the rolling, 365-day summation of the VOC and HAPS usage figures.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative usage for each calendar month.

**D. Reporting Requirements**

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. 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 30 days following the end of the calendar month.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 365-day limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage

**Vitaoe Industries, Inc.**  
PTI Application: **06 5005**  
**Noven**

Facility ID: **0671010143**

Emissions Unit ID: **R001**

levels. These reports are due by the date described in Part 1- General Terms and Conditions.

## **E. Testing Requirements**

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

3.5 pounds VOC per gallon of coating, excluding water and exempt solvents (daily volume-weighted average), for an extreme performance coating.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C. Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.

Emission Limitation:

Total VOC and HAPS emissions are also limited to 8 lbs/hr, 6.245 tons/year per emissions unit and 24.98 tons/year facility wide emissions.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C.

Emission Limitation:

0.551 lb/hr and 2.4 tons/year PM/PM10

Applicable Compliance Method:

A one time calculation of emissions based upon the company maximum design data (such as flow rate and particulate content) is sufficient to demonstrate compliance with the permit allowable.

Emission Limitation:

Visible emissions shall not exceed 20 % opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be based upon USEPA Method 9, if required.

## F. Miscellaneous Requirements

### 1. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worse case" pollutant(s):

Pollutant: Methyl Ethyl Ketone

TLV (ug/m<sup>3</sup>): 590

Maximum Hourly Emission Rate (lbs/hr): 1.47 lbs/hr

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>): 0.06804

MAGLC (ug/m<sup>3</sup>): 14.048

Physical changes or changes in the method of operation of the emissions unit that result in changes to the factors affecting the air toxic analysis could result in noncompliance with this permit to install. In order to avoid this noncompliance situation, prior to initiating any changes, permittees are required to conduct an evaluation to determine that the "Air Toxic Policy" is still satisfied. Changes that can affect the "Air Toxic Policy" include, but are not limited to, 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;

13

**Vitaoe Industries, Inc.**  
PTI Application: **06 5005**  
**Noven**

Facility ID: **0671010143**

Emissions Unit ID: **R001**

**Vitaoe Industries, Inc.**  
PTI Application: **06 5005**  
**Noven**

Facility ID: **0671010143**

Emissions Unit ID: **R001**

- 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.).

The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:

- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
- b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and,
- c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.

2. Supersede Permit to Install 06-5139

The terms and conditions of this permit to install shall supersede the terms and conditions of all previous permits, including Permit to Install 06-5139.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
South Booth and Oven #2 with dry filter media system	OAC 3745-21-09(U)(1)(c)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for an extreme performance coating (daily volume-weighted average).
	OAC rule 3745-31-05(D)	Total VOC and HAPS emissions are limited to 8.0 lbs/hr and 6.245 tons/year from this emissions unit and 24.98 tons/year facility wide.
	OAC rule 3745-17-07	Compliance with the Air Toxics Policy
	OAC 3745-17-11	20 percent opacity except as provided by rule.  Particulate matter is limited to 0.551 lbs/hr and 2.4 tons/year.

**2. Additional Terms and Conditions**

- 2.a The best available control technology for the control of particulate emissions from this source is to employ a dry filter media system.

**Vitato**PTI A<sub>1</sub>

November 24, 1999

Emissions Unit ID:R002

**B. Operational Restrictions**

1. The maximum total annual VOC and HAPS material usage for emissions units K001, K002, K003 and K004 shall not exceed 24.98 tons, based upon a rolling, 365-day summation of the usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of the permit to install, the permittee shall not exceed the usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Coating and Cleanup Usage</u>
1	4.0 tons
1-2	6.0 tons
1-3	8.0 tons
1-4	10.0 tons
1-5	12.0 tons
1-6	14.0 tons
1-7	16.0 tons
1-8	18.0 tons
1-9	20.0 tons
1-10	22.0 tons
1-11	24.0 tons
1-12	24.98 tons

After the first 12 calendar months of operation following issuance of the permit to install, compliance with the annual usage limitation shall be based upon a rolling, 365-day summation of the usage figures.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information each day for the line:
  - a. The name and identification number of each coating and clean up material, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - c. The HAPS content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.

Emissions Unit ID:R002

- d. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2.

- 2. The permittee shall maintain records of the following information:
  - a. The VOC and HAPS usage (coatings and clean up materials) for each day.
  - b. Beginning after the first 12 calendar months of operation following issuance of permit to install number 06-5644, the rolling, 365-day summation of the VOC and HAPS usage figures.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative usage for each calendar month.

**D. Reporting Requirements**

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. 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 30 days following the end of the calendar month.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the

rolling, 365-day limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels. These reports are due by the date described in Part 1- General Terms and Conditions.

## E. Testing Requirements

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

3.5 pounds VOC per gallon of coating, excluding water and exempt solvents (daily volume-weighted average), for an extreme performance coating.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C. Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.

Emission Limitation:

Total VOC and HAPS emissions are also limited to 8 lbs/hr, 6.245 tons/year per emissions unit and 24.98 tons/year facility wide emissions.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C.

Emission Limitation:

0.551 lb/hr and 2.4 tons/year PM/PM10

Applicable Compliance Method:

A one time calculation of emissions based upon the company maximum design data (such as flow rate and particulate content) is sufficient to demonstrate compliance with the permit allowable.

Emission Limitation:

Visible emissions shall not exceed 20 % opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be based upon USEPA Method 9, if required.

## F. Miscellaneous Requirements

### 1. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worse case" pollutant(s):

Pollutant: Methyl Ethyl Ketone

TLV (ug/m<sup>3</sup>): 590

Maximum Hourly Emission Rate (lbs/hr): 1.47 lbs/hr

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>):0.06804

MAGLC (ug/m<sup>3</sup>): 14.048

Physical changes or changes in the method of operation of the emissions unit that result in changes to the factors affecting the air toxic analysis could result in noncompliance with this permit to install. In order to avoid this noncompliance situation, prior to initiating any changes, permittees are required to conduct an evaluation to determine that the "Air Toxic Policy" is still satisfied. Changes that can affect the "Air Toxic Policy" include, but are not limited to, 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

Emissions Unit ID:R002

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.).

The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:

- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
- b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and,
- c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.

## 2. Supersede Permit to Install 06-5139

The terms and conditions of this permit to install shall supersede the terms and conditions of all previous permits, including Permit to Install 06-5139.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
North Booth and Oven #3 with dry filter media system	OAC 3745-21-09(U)(1)(c)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for an extreme performance coating (daily volume-weighted average).
	OAC rule 3745-31-05(A)(3)	Total VOC and HAPS emissions are limited to 8.0 lbs/hr and 6.245 tons/year from this emissions unit and 24.98 tons/year facility wide.
	OAC rule 3745-17-07	Compliance with the Air Toxics Policy
	OAC 3745-17-11	20 percent opacity except as provided by rule.
		Particulate matter is limited to 0.551 lbs/hr and 2.4 tons/year.

**2. Additional Terms and Conditions**

- 2.a The best available control technology for the control of particulate emissions from this source is to employ a dry filter media system.

## B. Operational Restrictions

1. The maximum total annual VOC and HAPS material usage for emissions units K001, K002, K003 and K004 shall not exceed 24.98 tons, based upon a rolling, 365-day summation of the usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of the permit to install, the permittee shall not exceed the usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Coating and Cleanup Usage</u>
1	4.0 tons
1-2	6.0 tons
1-3	8.0 tons
1-4	10.0 tons
1-5	12.0 tons
1-6	14.0 tons
1-7	16.0 tons
1-8	18.0 tons
1-9	20.0 tons
1-10	22.0 tons
1-11	24.0 tons
1-12	24.98 tons

After the first 12 calendar months of operation following issuance of the permit to install, compliance with the annual usage limitation shall be based upon a rolling, 365-day summation of the usage figures.

## C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each day for the line:
  - a. The name and identification number of each coating and clean up material, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - c. The HAPS content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - d. The daily volume-weighted average VOC content of all coatings, as applied, calculated in

accord  
ance  
with  
the  
equatio  
n  
specifie  
d in  
paragra  
ph  
(B)(9)  
of  
OAC  
rule  
3745-  
21-10  
for  
CVOC  
,2.

- 2. The permittee shall maintain records of the following information:
  - a. The VOC and HAPS usage (coatings and clean up materials) for each day.
  - b. Beginning after the first 12 calendar months of operation following issuance of permit to install number 06-5644, the rolling, 365-day summation of the VOC and HAPS usage figures.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative usage for each calendar month.

**D. Reporting Requirements**

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. 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 30 days following the end of the calendar month.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the

rolling, 365-day limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels. These reports are due by the date described in Part 1- General Terms and Conditions.

**E. Testing Requirements**

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

3.5 pounds VOC per gallon of coating, excluding water and exempt solvents (daily volume-weighted average), for an extreme performance coating.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C. Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.

Emission Limitation:

Total VOC and HAPS emissions are also limited to 8 lbs/hr, 6.245 tons/year per emissions unit and 24.98 tons/year facility wide emissions.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C.

Emission Limitation:

0.551 lb/hr and 2.4 tons/year PM/PM10

Applicable Compliance Method:

A one time calculation of emissions based upon the company maximum design data (such as flow rate and particulate content) is sufficient to demonstrate compliance with the permit allowable.

Emission Limitation:

**Vitaoe Industries, Inc.**  
 PTI Application: **06 5005**  
**Noven**

Facility ID: **0671010143**

Emissions Unit ID: **R003**

Visible emissions shall not exceed 20 % opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be based upon USEPA Method 9, if required.

## **F. Miscellaneous Requirements**

### 1. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worse case" pollutant(s):

Pollutant: Methyl Ethyl Ketone

TLV (ug/m3): 590

Maximum Hourly Emission Rate (lbs/hr): 1.47 lbs/hr

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3):0.06804

MAGLC (ug/m3): 14.048

Physical changes or changes in the method of operation of the emissions unit that result in changes to the factors affecting the air toxic analysis could result in noncompliance with this permit to install. In order to avoid this noncompliance situation, prior to initiating any changes, permittees are required to conduct an evaluation to determine that the "Air Toxic Policy" is still satisfied. Changes that can affect the "Air Toxic Policy" include, but are not limited to, 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.).

The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:

- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
- b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and,
- c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.

Vitatoe Industries, Inc.  
 PTI Application: 06 5005  
 Noven

Facility ID: 0671010143

Emissions Unit ID: R004

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
South Booth and Oven #4 with dry filter media system	OAC 3745-21-09(U)(1)(c)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for an extreme performance coating (daily volume-weighted average).
	OAC rule 3745-31-05(D)	Total VOC and HAPS emissions are limited to 8.0 lbs/hr and 6.245 tons/year from this emissions unit and 24.98 tons/year facility wide.
	OAC rule 3745-17-07	Compliance with the Air Toxics Policy
	OAC 3745-17-11	20 percent opacity except as provided by rule.  Particulate matter is limited to 0.551 lbs/hr and 2.4 tons/year.

**2. Additional Terms and Conditions**

- 2.a The best available control technology for the control of particulate emissions from this source is to employ a dry filter media system.

**B. Operational Restrictions**

1. The maximum total annual VOC and HAPS material usage for emissions units K001, K002, K003 and K004 shall not exceed 24.98 tons, based upon a rolling, 365-day summation of the usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of the permit to install, the permittee shall not exceed the usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Coating and Cleanup Usage</u>
1	4.0 tons
1-2	6.0 tons
1-3	8.0 tons
1-4	10.0 tons
1-5	12.0 tons
1-6	14.0 tons
1-7	16.0 tons
1-8	18.0 tons
1-9	20.0 tons
1-10	22.0 tons
1-11	24.0 tons
1-12	24.98 tons

After the first 12 calendar months of operation following issuance of the permit to install, compliance with the annual usage limitation shall be based upon a rolling, 365-day summation of the usage figures.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information each day for the line:
  - a. The name and identification number of each coating and clean up material, as applied.
  - b. The VOC content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - c. The HAPS content (excluding water and exempt solvents) and the number of gallons of each coating and clean up material, as applied.
  - d. The daily volume-weighted average VOC content of all coatings, as applied, calculated in

accord  
ance  
with  
the  
equatio  
n  
specifie  
d in  
paragra  
ph  
(B)(9)  
of  
OAC  
rule  
3745-  
21-10  
for  
CVOC  
,2.

- 2. The permittee shall maintain records of the following information:
  - a. The VOC and HAPS usage (coatings and clean up materials) for each day.
  - b. Beginning after the first 12 calendar months of operation following issuance of permit to install number 06-5644, the rolling, 365-day summation of the VOC and HAPS usage figures.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative usage for each calendar month.

**D. Reporting Requirements**

- 1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. 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 30 days following the end of the calendar month.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the

**Vitaoe Industries, Inc.**  
PTI Application: **06 5005**  
**Noven**

Facility ID: **0671010143**

Emissions Unit ID: **R004**

rolling, 365-day limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels. These reports are due by the date described in Part 1- General Terms and Conditions.

## **E. Testing Requirements**

1. Compliance with the emission limitation in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

3.5 pounds VOC per gallon of coating, excluding water and exempt solvents (daily volume-weighted average), for an extreme performance coating.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C. Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.

Emission Limitation:

Total VOC and HAPS emissions are also limited to 8 lbs/hr, 6.245 tons/year per emissions unit and 24.98 tons/year facility wide emissions.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements specified in Section C.

Emission Limitation:

0.551 lb/hr and 2.4 tons/year PM/PM10

Applicable Compliance Method:

A one time calculation of emissions based upon the company maximum design data (such as flow rate and particulate content) is sufficient to demonstrate compliance with the permit allowable.

Emission Limitation:

Visible emissions shall not exceed 20 % opacity as a six-minute average, except as specified by

rule.

Applicable Compliance Method:

Compliance shall be based upon USEPA Method 9, if required.

## F. Miscellaneous Requirements

### 1. Air Toxic Policy Clarifying Language

This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worse case" pollutant(s):

Pollutant: Methyl Ethyl Ketone

TLV (ug/m<sup>3</sup>): 590

Maximum Hourly Emission Rate (lbs/hr): 1.47 lbs/hr

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>):0.06804

MAGLC (ug/m<sup>3</sup>): 14.048

Physical changes or changes in the method of operation of the emissions unit that result in changes to the factors affecting the air toxic analysis could result in noncompliance with this permit to install. In order to avoid this noncompliance situation, prior to initiating any changes, permittees are required to conduct an evaluation to determine that the "Air Toxic Policy" is still satisfied. Changes that can affect the "Air Toxic Policy" include, but are not limited to, 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.).

The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:

- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
- b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and,
- c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.