



State of Ohio Environmental Protection Agency

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RE: FINAL PERMIT TO INSTALL MODIFICATION

CERTIFIED MAIL

HAMILTON COUNTY

Application No: 14-05839

Fac ID: 1431072038

DATE: 12/26/2006

Barr Laboratories Inc
Daryl LeSueur
5040 Duramed Drive
Cincinnati, OH 45213

Y	TOXIC REVIEW
	PSD
Y	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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

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

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

HCDES



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-05839

Application Number: 14-05839

Facility ID: 1431072038

Permit Fee: **\$0**

Name of Facility: Barr Laboratories Inc

Person to Contact: Daryl LeSueur

Address: 5040 Duramed Drive
Cincinnati, OH 45213

Location of proposed air contaminant source(s) [emissions unit(s)]:

**5040 Duramed Drive
Cincinnati, Ohio**

Description of proposed emissions unit(s):

Administrative modification to PTI 14-05839; inclusions of corrections from facility comments in final permit.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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

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 (i.e., postmarked) quarterly 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit 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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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 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 ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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>
PE	less than 10
PM10	0.04
OC	27.4

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.

Operations, Property, and/or Equipment - (P007) - Fluidized Bed Granulator with HEPA filter and packed tower scrubber (Niro) - Modification

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>Organic Compound (OC) emissions shall not exceed 33.0 lbs/hour.</p> <p>Particulate Emissions (PE) and Emissions of Particulate Matter 10 microns or less in diameter (PM10) shall not exceed 0.005 lb/hour and 0.02 ton per year.</p> <p>See terms and conditions A.2.b, A.2.c, A.2.d, A.2.e, and B.1 through B.4.</p> <p>The requirements for this rule also include compliance with the requirements of OAC rule 3745-31-05(C).</p>
OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-31-05(C) Synthetic minor to avoid non-attainment new source review and Title V permitting	OC emissions shall not exceed 26.4 tons per year (TPY) as a rolling 12 month summation.

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of HEPA filter and packed-bed scrubber, an operating hours limitation and compliance with the visible and mass emissions limitations.

- 2.b** The permittee shall control the OC emissions from this emissions unit by use of a packed-bed scrubber capable of maintaining a minimum overall OC control efficiency of 90% by weight.
- 2.c** Visible particulate emissions from this emissions unit shall not exceed 10% opacity, as a six minute average.
- 2.d** Based upon OAC rule 3745-17-11, the potential to emit for PE for this emissions unit is over 10 tons per year, therefore pursuant to HB265, this emissions unit is subject to OAC rule 3745-31-05(A)(3) for PE.
- 2.e** The uncontrolled potential to emit particulate matter emissions less than 10 microns or less in diameter (PM10) emissions from this air contaminant source is over 10 tons per year and therefore pursuant to HB265 this air contaminant source is subject to OAC rule 3745-31-05(A)(3) for PM10.
- 2.f** The hourly emissions limitations outlined above are based on the emissions unit's potential to emit (PTE) and the use of the specified control devices identified in term A.2.a . Therefore, no records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The scrubber water supply pressure shall be continuously maintained at a value not less than that established during the most recent emission test that demonstrated compliance while the emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value not less than that established during the most recent emission test that demonstrated compliance while the emissions unit is in operation.
3. The spraying of organic liquids in this emission unit shall not exceed 1600 hours per year, as a rolling, 12-month summation. The permittee has records to demonstrate compliance with this limitation upon issuance of this permit.
4. The organic liquids usage rate in this emissions unit shall not exceed 330 pounds per hour.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the scrubber water supply pressure and scrubber water flow rate while the emissions unit is in operation. The monitoring devices shall be installed, calibrated,

operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals, with deviations as deemed necessary by the permittee.

The permittee shall collect and record the following information each day that the emissions unit is operating:

- a. The scrubber water flow rate, in gallons per minute.
 - b. The scrubber water supply pressure, in psig.
 - c. A log of the downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each day for each batch using organic liquids:
- a. Date the batch was produced.
 - b. The total OC usage (amount of organic liquids used) in pounds per batch.
 - c. The duration of the spraying time of the batch, in hours.
 - d. The hourly OC usage rate (b/c).
3. The permittee shall collect and record the following information each month for this emissions unit:
- a. The duration of the spraying time of the batch, in hours.
 - b. The OC emissions calculated as follows:
Monthly OC emissions (lbs/month) = total solvent sprayed during a month (pounds)
(1 - the control efficiency determined during the most recent performance test).
 - c. The updated rolling, 12-month summation of the hours spraying organic liquids. This shall include the information for the current month and the preceding eleven calendar months.
 - d. The updated rolling, 12-month summation of the OC emissions. This shall include the information for the current month and the preceding eleven calendar months.

These records shall be summarized at the end of each calendar year to determine the annual OC emissions.

4. The permit to install for emissions units P007 was evaluated based on the actual materials and the design parameters of the emissions unit's 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN3 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN3 (or other approved) 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: ethanol

TLV (mg/m³): 1884

Maximum Hourly Emission Rate (lbs/hr): 33.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 3304

MAGLC (ug/m³): 44861

Pollutant:: methanol

TLV (mg/m³): 262

Maximum Hourly Emission Rate (lbs/hr): 1.65

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 165.3

MAGLC (ug/m³): 6240

Physical changes to or changes in the method of operation of the emission units 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
- 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels for the following parameters:
 - a. The scrubber water flow rate; and
 - b. The scrubber water supply pressure.
2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the following:
 - a. Each hour during which the organic liquids usage amount exceeded 330 lbs/hour, and the actual organic liquids usage amount for each such hour.
 - b. Each hour during which the OC emissions exceeded 33.0 lbs/hour, and the actual OC emissions for each such hour.

3. The permittee shall notify the Hamilton County Department of Environmental Services of any exceedance of the rolling, 12-month hours of operation limitation set forth in term and condition B.3 and the rolling, 12-month OC emissions limitation set forth in term and condition A.1. The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively.)

If no exceedances occurred, the permittee shall state so in the report.

4. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations specified in Section A.1 shall be determined by the following methods:

- a. Emissions limitation:

Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

- b. Emissions limitations:

0.005 lb PE/PM10/hour and 0.02 ton per year of PE/PM10.

Applicable Compliance Method:

Compliance shall be determined utilizing the total dry material maximum throughput (726 lbs/hr) multiplied by the maximum loss factor (0.025) times 1 minus the minimum HEPA control efficiency of 99.97%, as provided in permit to install application 14-05839 received on April 28, 2006. The annual emission rate shall be determined by multiplying the hourly emission rate by 8760 hours per year and dividing by 2000 lbs/ton. All PE is assumed to be PM10 emissions.

- c. Emissions limitation :

33.0 lbs of OC/hour.

Applicable Compliance Method:

Compliance shall be demonstrated by utilizing the recorded OC usage (lbs/batch) divided by the batch spraying time duration (hours) multiplied by 1 minus the control efficiency for OC (percent), as determined by the latest scrubber OC control efficiency test.

d. Emissions limitation:

26.4 TPY OC as a rolling 12 month summation of the monthly OC emissions.

Applicable Compliance Method:

Compliance shall be determined by the record keeping in term and condition C.3.

2. Compliance with the requirement to maintain a minimum overall OC control efficiency of 90% by weight at the scrubber, per term and condition A.2.b, shall be demonstrated by the latest scrubber OC control efficiency test and compliance with the scrubber operating requirements in terms and conditions B.1 and B.2.
3. Compliance with the scrubber water supply pressure limitation in term and condition B.1 shall be demonstrated by the record keeping in term and condition C.1.
4. Compliance with the scrubber water flow rate limitation in term and condition B.2 shall be demonstrated by the record keeping in term and condition C.1.
5. Compliance with the organic liquid spraying limitation in term and condition B.3 shall be demonstrated by the record keeping in term and condition C.3.
6. Compliance with the organic liquid usage limitation in term and condition B.4 shall be demonstrated by the record keeping in term and condition C.2.
7. Formulation data or USEPA method 24 or 24A shall be used to determine the OC contents of the organic liquids.

F. Miscellaneous Requirements

1. The terms and conditions in this permit to install supersede Permit to Install 14-05636, as issued on December 7, 2004 and Permit to Install 14-05839, as issued on August 29, 2006.
2. The following terms and conditions shall be federally enforceable: A, B, C.1 - C.3, D and E.

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.

Operations, Property, and/or Equipment - (P010) - Fluidized Bed Granulator with fabric filter - Modification

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See term and condition A.2.b.
OAC rule 3745-31-05(A)(3)	Emissions of Particulate Matter 10 microns or less in diameter (PM10) shall not exceed 0.005 lb/hour and 0.02 ton per year. See term and condition A.2.c. The requirements for this rule also include compliance with the requirements of OAC rule 3745-31-05(C).
OAC rule 3745-17-11	Particulate Emissions (PE) shall not exceed 2.0 lbs/hr.
OAC rule 3745-31-02(A) - - Synthetic minor to avoid OAC rule 3745-31-05(A)(3) - - and OAC rule 3745-31-05(C) - - Synthetic minor to avoid non-attainment new source review and Title V permitting	OC emissions shall not exceed 1.0 ton per year (TPY) as a rolling 12 month summation. See terms and conditions B.1 and B.2.

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of HEPA filter, material usage limitation, an operating hours limitation and compliance with the visible and mass emissions limitations.
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions from this air contaminant source since the calculated annual emission rate for particulate emissions is less than ten tons per year taking into account the federally enforceable rule limitation of 2.0 lbs/hr as derived from OAC 3745-17-11.

- 2.c** The uncontrolled potential to emit particulate matter emissions less than 10 microns or less in diameter (PM10) from this air contaminant source is over 10 tons per year and therefore pursuant to HB265 this air contaminant source is subject to OAC rule 3745-31-05(A)(3) for PM10.

B. Operational Restrictions

1. The organic liquids usage rate in this in this emissions unit shall not exceed 25.1 pounds per hour.
2. The spraying of organic liquids in this emission unit shall not exceed 79 hours per year, as a rolling, 12-month summation. The permittee has records to demonstrate compliance with this limitation upon issuance of this permit.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each day for each batch using organic liquids:
 - a. Date the batch was produced.
 - b. The total OC usage (amount of organic liquids used) in pounds per batch.
 - c. The duration of the spraying time of the batch, in hours.
 - d. The hourly OC usage rate (b/c).
2. The permittee shall collect and record the following information each month for this emissions unit:
 - a. The duration of the spraying time of the batch, in hours.
 - b. The monthly OC emissions calculated as follows:
Monthly OC emissions (lbs/month) = total solvent sprayed during a month (pounds)
 - c. The updated rolling, 12-month summation of the hours spraying organic liquids. This shall include the information for the current month and the preceding eleven calendar months.
 - d. The updated rolling, 12-month summation of the OC emissions. This shall include the information for the current month and the preceding eleven calendar months.

3. The permittee shall collect and record the following information each month:
 - a. the company identification of each liquid organic material employed in this emissions unit; and
 - b. a record of each liquid organic material employed in this emissions unit indicating, whether or not the liquid organic material is photochemically reactive as identified in OAC rule 3745-21-01(C)(5).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all exceedances of the following:
 - a. Each hour during which the organic liquids usage amount exceeded 25.1 lbs/hour, and the actual organic liquids usage amount for each such hour.
 - b. The permittee shall notify the Hamilton County Department of Environmental Services of any exceedance of the rolling, 12-month hours of operation limitation set forth in term and condition B.2 and the rolling, 12-month OC emissions limitation set forth in term and condition A.1. The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively.)

If no exceedances occurred, the permittee shall state so in the report.

2. The permittee shall notify the Hamilton County Department of Environmental Services in writing identifying each day during which any photochemically reactive material (as defined in OAC rule 3745-21-01(C)(5) was employed in this emissions unit. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of organic compound emissions emitted each such day. This report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
3. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations specified in Section A.1 shall be determined by the following methods:

- a. Emissions limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emissions limitations:

0.005 lb/hour and 0.02 ton per year of PM10.

Applicable Compliance Method:

Compliance shall be determined utilizing the total dry material maximum throughput (662.2 lbs/hr) multiplied by the maximum loss factor (0.025) times 1 minus the minimum HEPA control efficiency of 99.97%, as provided in permit to install application 14-05839 received on April 28, 2006. The annual emission rate shall be determined by multiplying the hourly emission rate by 8760 hours per year and dividing by 2000 lbs/ton.

- c. Emissions limitation:

2.0 lbs of PE/hour.

Applicable Compliance Method:

Compliance may be demonstrated by utilizing Table I from OAC rule 3745-17-11 employing the total dry material maximum throughput of 0.3311 ton /hr) as P in Table I .

If required, compliance shall be demonstrated by employing methods 1-5 of 40 CFR Part 60, Appendix A.

- d. Emissions limitation:

1.0 ton per year of OC based upon a rolling 12-month summation of the monthly OC emissions.

Applicable Compliance Method:

Compliance shall be determined by the record keeping in term and condition C.2.

2. Compliance with the organic liquid usage limitation in term and condition B.1 shall be demonstrated by the record keeping in term and condition C.1.
3. Compliance with the organic liquid spraying limitation in term and condition B.2 shall be demonstrated by the record keeping in term and condition C.2.
4. Formulation data or USEPA method 24 or 24A shall be used to determine the OC contents of the organic liquids.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic pollutant will be less than 1.0 ton. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that a new permit to install application would be required for an emissions unit if changes in the composition of the materials or use of new materials would cause the emissions of any pollutant that has a listed Threshold Limit Value (TLV), as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices"), to increase to above 1.0 ton per year.
2. The terms and conditions in this permit to install supersede Permit to Install 14-05839, as issued on August 29, 2006.