



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
HAMILTON COUNTY**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

**Application No: 14-05728
Fac ID: 1431451726**

DATE: 7/7/2005

Cincinnati Gas and Electric - Brecon
John Funke
960 Mail Drop EX552
Cincinnati, OH 45201

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 Directors 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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

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

CC: USEPA

HCDES



**Permit To Install
Terms and Conditions**

**Issue Date: 7/7/2005
Effective Date: 7/7/2005**

FINAL PERMIT TO INSTALL 14-05728

Application Number: 14-05728
Facility ID: 1431451726
Permit Fee: **\$200**
Name of Facility: Cincinnati Gas and Electric - Brecon
Person to Contact: John Funke
Address: 960 Mail Drop EX552
Cincinnati, OH 45201

Location of proposed air contaminant source(s) [emissions unit(s)]:
**7600 East Kemper Road
Cincinnati, Ohio**

Description of proposed emissions unit(s):
Paint Spray Booth.

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

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 record keeping 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 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>
VOC	1.11

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>
K001 - Miscellaneous Metal Parts Paint Spray Booth	OAC rule 3745-31-05(A)(3)	<p>Volatile Organic Compound (VOC) emissions shall not exceed 14.0 lbs VOC/hour from the application of coatings, excluding cleanup.</p> <p>VOC emissions shall not exceed 6.31 lbs VOC/day from cleanup material usage.</p> <p>VOC emissions shall not exceed 1.11 TPY.</p> <p>See terms and conditions A.2.a, B.1. and B.2.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(d).</p> <p>The VOC content as applied, of each coating employed, shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents.</p>
	OAC rule 3745-21-09(U)(1)(d)	

2. Additional Terms and Conditions

- 2.a** The maximum VOC content of each cleanup material employed in emissions unit K001 shall not exceed 6.31 pounds of VOC per gallon of cleanup material, as applied.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the VOC content limitations, usage limitations and VOC emissions limitations.
- 2.c** The hourly emissions limitation outlined in term and condition A.1. is based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with this limit.

B. Operational Restrictions

- 1.** The maximum annual coating use for emissions unit K001 shall not exceed 600 gallons per year as applied, excluding water and exempt solvents.
- 2.** The maximum daily cleanup material use in emissions unit K001 shall not exceed 1 gallon per day of material lost through spillage and evaporation. The maximum annual cleanup material usage in emissions unit K001 shall not exceed 20 gallons per year of material lost through spillage and evaporation.

C. Monitoring and/or Record keeping Requirements

- 1.** The permittee shall collect and record the following information each day for emissions unit K001:
 - a.** The name and identification number of each coating and cleanup material;
 - b.** The volume in gallons, as applied, of each coating employed, excluding water and exempt solvents;
 - c.** The total volume, in gallons, of all of the coatings employed, excluding water and

exempt solvents;

- d. The volume in gallons of each cleanup material employed and lost through spillage and evaporation;
 - e. The VOC content of each coating employed, in pounds VOC per gallon of coating, as applied, excluding water and exempt solvents;
 - f. The VOC content of each cleanup material employed, in pounds VOC per gallon of coating;
 - g. The VOC emissions from the application of coatings and cleanup materials, in pounds VOC per day [the summation of b. multiplied by e. for the coating(s) and d. multiplied by f. for the cleanup material(s) employed in K001]; and
 - h. The total daily VOC emission rate (g) shall be summed at the end of each month to obtain the monthly VOC emission rate.
2. The permittee shall maintain annual records of the volume, in gallons, of all coatings (excluding water and exempt solvents) and cleanup materials employed in this emissions unit by summarizing the coating usage records and cleanup material usage records at the end of each calendar year.
 3. The permittee shall maintain annual records of the total VOC emissions, in tons (summation of the emissions from term C.1.h at the end of each calendar year divided by 2000 pounds per ton.)

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings or cleanup materials (i.e., VOC contents). The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month. For each usage limit exceedance the permittee shall also identify if an exceedance of the applicable hourly or daily VOC emissions limits occurred.
2. The permittee shall notify the Hamilton County Department of Environmental Services of any daily record showing that emissions unit K001 employed more than the applicable maximum daily cleanup material usage limit outlined in term and condition

Emissions Unit ID: **K001**

B.2. A copy of such record shall be sent to the Hamilton County Department of Environmental Services within 30 days after the exceedance occurred. For each usage limit exceedance the permittee shall also identify if an exceedance of the applicable daily VOC emissions limit occurred.

3. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which specify the total VOC emissions from emissions unit K001 for the previous calendar year. This report shall also specify the total volume, in gallons, of coatings, excluding water and exempt solvents employed in emissions unit K001 and the total volume, in gallons, of cleanup materials employed and lost through spillage and evaporation in emissions unit K001 for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations and VOC content limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emissions Limitations

14.0 lbs VOC/hour from coating usage
 6.31 lbs VOC/day from cleanup material usage

Applicable Compliance Method

The hourly emission limitation specified above is based on the emissions unit's potential to emit. Compliance may be demonstrated by multiplying the maximum VOC content limit for coatings identified in term and condition A.1., 3.5 pounds per gallon, by the maximum coating application rate, 4 gallons per hour, excluding water and exempt solvents, as provided in PTI application 14-05728 received on May 27, 2005. Compliance with daily cleanup material usage limit is determined by multiplying maximum daily cleanup material usage of 1 gallon per day by the VOC content limit of 6.31 lbs per gallon.

Emissions Limitations

1.11 TPY VOC

Applicable Compliance Method

Compliance with the above emissions limitation may be demonstrated by the record keeping requirements as specified in term and condition C.3.

Emissions Limitations

3.5 pounds of VOC per gallon of coating, as applied, excluding water and exempt solvents,

6.31 pounds of VOC per gallon of cleanup material, as applied

Applicable Compliance Method

If requested, USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials, respectively. If, pursuant to 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

2. Compliance with the usage limitations in terms and conditions B.1 and B.2 shall be demonstrated by the record keeping requirements as specified in terms and conditions C.1 and C.2..

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 compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees 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 changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.