



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: 14-04882**

**DATE: 3/15/00**

Cincinnati Bulk Terminals Inc  
Jack Weiss  
895 Mehring Way  
Cincinnati, OH 45203

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  
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  
Bruce French

HCDES



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 3/15/00

**FINAL PERMIT TO INSTALL 14-04882**

Application Number: 14-04882  
APS Premise Number: 1431072121  
Permit Fee: **\$1000**  
Name of Facility: Cincinnati Bulk Terminals Inc  
Person to Contact: Jack Weiss  
Address: 895 Mehring Way  
Cincinnati, OH 45203

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

**895 Mehring Way  
Cincinnati, Ohio**

Description of proposed emissions unit(s):

**Railcar loading of coal, iron ore, and other similar materials.**

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 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.

**14. Construction Compliance Certification**

**Cincinnati Bulk Terminals Inc**  
**PTI Application: 14-04882**  
**Issued: 3/15/00**

**Facility ID: 1431072121**

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>
PM	28.0
PM10	10.2

**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>
F017 - Railcar loading of coal, iron ore, and other similar materials.	OAC rule 3745-31-05(A)(3)	40.0 lbs./hour PM* 28.0 TPY PM 14.6 lbs./hour PM10* 10.2 TPY PM10
	40 CFR Part 60, Subpart Y	See term A.2.a
	OAC rule 3745-17-07(B)	The opacity limitation established by this rule is less stringent than those established by 40 CFR Part 60, Subpart Y
	OAC rule 3745-17-08(B)	The use of wet suppression and minimized drop heights to minimize or eliminate visible particulate emissions.
	OAC rule 3745-15-07	See Part I, term A.7.
		* The hourly emission limitations outlined above are based upon the emissions units potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

**2. Additional Terms and Conditions**

- 2.a Visible particulate emissions from this emissions unit shall be less than 20 % (percent) opacity.
- 2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the opacity limitation, throughput limitation, minimizing the drop height and the use of wet suppression.
- 2.c The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

**B. Operational Restrictions**

- 1. The maximum annual loading rate of all materials for this emissions unit shall not exceed 700,000 tons.

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

- 1. The permittee shall maintain monthly records of the type and amount of each material loaded in this emissions unit.

**D. Reporting Requirements**

- 1. The permittee shall submit annual reports that identify any exceedance of the loading rate limitation, as well as corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall submit annual reports which specify the total PM and PM10 emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
- 3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
  - a. Construction date (no later than 30 days after such date);
  - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
  - c. Actual start-up date (within 15 days after such date); and

- d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and

Hamilton County Department of Environmental Services  
250 William Howard Taft Rd  
Cincinnati, OH 45219

#### **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for emissions unit F017 in accordance with the following requirements:
  - a. The emission testing shall be conducted no later than 60 days after beginning to load coal into railcars.
  - b. The emission testing shall be conducted to demonstrate compliance with the visible particulate emission limitation.
  - c. The following test method shall be employed to demonstrate compliance with the visible emission limitation: Method 9 of 40 CFR Part 60, Appendix A.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to

**Emissions Unit ID: F017**

witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Compliance with the production limitation in term B.1 shall be demonstrated by the recordkeeping in term C.1.
3. Compliance with the PM and PM10 emissions limitations will be demonstrated by multiplying the production rate by the emission factors from RACM (section 2.19) then by 1- 0.80 (control efficiency for wet suppression).

#### **F. Miscellaneous Requirements**

1. If probable cause exists indicating this emissions unit is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this emissions unit into compliance.
2. At least 30 days prior to loading materials other than coal or raw iron products into railcars, this facility shall provide written notification to the Hamilton County Department of Environmental Services. Such notification shall include information, in an acceptable form, sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and or control requirements as outlined in this permit.

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04882 Facility ID: 1431072121

FACILITY NAME Cincinnati Bulk Terminals

FACILITY DESCRIPTION Railcar loading of coal, iron ore, and other similar materials CITY/TWP Cincinnati

SIC CODE 5052 SCC CODE 3-05-010-12 EMISSIONS UNIT ID F017

EMISSIONS UNIT DESCRIPTION Railcar loading of coal, iron ore, and other similar materials.

DATE INSTALLED 4/2000

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	40.0 lbs./hour	28.0	40.0 lbs./hour	28.0
PM <sub>10</sub>	Attainment	14.6 lbs./hour	10.2	14.6 lbs./hour	10.2
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart Y

NESHAP?

PSD?

OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Enter Determination** BAT for this emissions unit consists of wet suppression, opacity limitation, minimizing drop heights, and production limitation.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04882 Facility ID: 1431072121

FACILITY NAME Cincinnati Bulk Terminals

FACILITY DESCRIPTION	Railcar loading of coal, iron ore, and other similar materials	CITY/TWP	Cincinnati
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**Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):**

**NONE**

**Please provide any additional permit specific notes as you deem necessary:**

Permit Review Narrative  
14-04882

Cincinnati Bulk Terminals, Inc.  
895 West Mehring Way  
Cincinnati, Ohio 45203

Cincinnati Bulk Terminals proposes to install a Railcar Loading operation at a leased site adjacent to their present property on Mehring Way. They want to be permitted to load any material that they now handle via truck or rail, the dustiest of these being coal.

Emissions based on emission factors for coal handling are 40.0 lbs/hr and 28.0 TPY for PM and 14.6 lbs/hr and 10.2 TPY for PM10. Applicable regulations are 40 CFR Part 60 Subpart Y and OAC rules 3745-31-05(A)(3), 3745-15-07, 3745-17-07, and 3745-17-08.

BAT for this emissions unit consists of wet suppression, opacity limitation, minimizing drop heights, and production limitation.

Fee: Process greater than 50,000 lbs./hour - \$1000

Prepared by: Elizabeth Fryer  
Date Prepared: 01/28/00

**Permit To Install Synthetic Minor Write-Up****NONE**

**Please fill in the following for this permit:**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	28.0
PM10	10.2

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04882

Facility ID: 1431072121

FACILITY NAME Cincinnati Bulk Terminals

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FACILITY DESCRIPTION	Railcar loading of coal, iron ore, and other similar materials	CITY/TWP	Cincinnati
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