



State of Ohio Environmental Protection Agency

STREET ADDRESS:

MAILING ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Stark County  
Application No: 15-1364

CERTIFIED MAIL

February 3, 1999

HARWICK CHEMICAL MANUFACTURING CORP  
JIM HAFNER  
2020 FRONT ST, SUITE 106  
CUYAHOGA FALLS, OH 44221

RECEIVED

FEB 10 1999

CANTON CITY HEALTH DEPT  
POLLUTION DIVISION

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 with the Environmental Review Appeals Commission within thirty (30) days after 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. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. 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*  
Thomas G. Rigo, Manager  
Field Operations & Permit Section  
Division of Air Pollution Control

cc: US EPA  
CANTON AIR POLLUTION CONTROL

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**Permit to Install  
Terms and Conditions**

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Application No. 15-1364  
APS Premise No. 1576131875  
Permit Fee: \$600.00

Name of Facility: HARWICK CHEMICAL MANUFACTURING CORP .

Person to Contact: JIM HAFNER

Address: 2020 FRONT ST, SUITE 106  
CUYAHOGA FALLS, OH 44221

Location of proposed source(s): 1675 NAVARRE ROAD  
MASSILLON, OHIO

Description of proposed source(s):  
WEIGH STATIONS & MIXERS & RIBBON BLENDER.

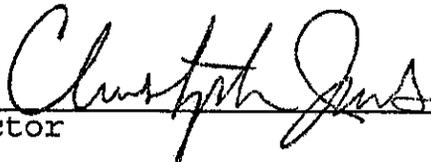
Date of Issuance: February 3, 1999

Effective Date: February 3, 1999

The above named entity is hereby granted a permit to install for the above described source(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 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 and specifications, the above described source(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

  
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Director

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Facility Name: **Harwick Chemical Manufacturing Corp**

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GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 source(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 Ohio Administrative Code (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.

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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 applicable standards.

#### PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### 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.

#### APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION 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 and regulations.

Facility Name: **Harwick Chemical Manufacturing Corp**Application Number: **15-1364**Date: **February 3, 1999**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Harwick Chemical Manufacturing Corp** located in **Stark** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001	Weigh-up room with fabric filter consisting of the following pieces of equipment: 6 weigh stations, 7-30 gallon pony mixers, 3-30 gallon high shear mixers, 1-300 gallon high shear mixer	Compliance with the applicable OAC regulations and the terms and conditions of this permit, and the use of a baghouse	3745-31-05	The particulate matter emissions rate from the baghouse shall not exceed: 0.02 grain/scf at 10,800 scf/min; 1.85 pounds/hour; 8.1 tons/year  Opacity of emissions from the baghouse shall not exceed 10 percent, as a 6-minute average
			3745-17-07 (A) (1)	BAT is more restrictive
			3745-17-11	BAT is more restrictive
P002	Ribbon blender with fabric filter	Compliance with the applicable OAC regulations and the terms and conditions of this permit, and the use of a baghouse	3745-31-05	The particulate matter emissions rate from the baghouse shall not exceed: 0.02 grain/scf at 1,500

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P002 Cont'd				scf/min; 0.26 pound/hour; 1.14 tons/year
				Opacity of emissions from the baghouse shall not exceed 10 percent, as a 6-minute average
			3745-17-07 (A) (1)	BAT is more restrictive
			3745-17-11	BAT is more restrictive

SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	9.24

The information contained under the Summary of Emissions section of the Permit to Install is for informational purposes only and is not enforceable.

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

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#### REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Canton Air Pollution Control, 420 Market Avenue North, Canton, OH 44702-1544.**

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Canton Air Pollution Control, 420 Market Avenue North, Canton, OH 44702-1544.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### 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.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**I. Emissions Unit P001**

**A. Operational and/or Production Limitations (P001)**

1. A dust collection system shall be installed which is designed to collect emissions from the six weigh stations, the seven pony mixers and the four high shear mixers. The collection system shall be designed to capture a minimum of 90 percent of the particulate emissions from the above mentioned equipment. Particulate emissions captured by the dust collection system shall be exhausted to a fabric filter dust collector. Particulate emissions from the fabric filter dust collector outlet shall not exceed 0.02 grain of particulate emissions per cubic foot of exhaust gases and visible particulate emissions from the outlet shall not exceed ten percent opacity as a six-minute average.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while any part of this emissions unit vented to this control device is in operation.

**B. Monitoring and/or Recordkeeping Requirements (P001)**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

**C. Reporting Requirements (P001)**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods

Facility Name: **Harwick Chemical Manufacturing Corp**

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of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

2. The permittee shall submit required reports in the following manner:

a. reports shall be submitted to the Canton Local Air Agency; and,

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 preventative measures which have been or will be taken, shall be submitted to the Canton 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 15, April 15, July 15, and October 15 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).

D. Compliance Methods and Emission Testing Requirements (P001)

1. Compliance with the emission limitation(s) in section A.I. of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

Opacity of emissions from the baghouse shall not exceed 10 percent, as a 6-minute average.

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Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

b. Emission Limitation

PM: 0.02 gr/ACFM, 1.85 lbs/hr

Applicable Compliance Method

If required Method 5. Monitoring of the pressure drop across the fabric filter should ensure compliance.

c. Emission Limitation

8.1 tons PM/year

Applicable Compliance Method

Multiply the hourly allowable rate times 8,760 hrs/yr and then divide by 2,000 lbs/ton.

**E. Miscellaneous (P001)**

1. None.

**II. Emissions Unit P002**

**A. Operational and/or Production Limitations (P002)**

1. A dust collection system shall be installed which is designed to collect emissions from the ribbon blender. The collection system shall be designed to capture a minimum of 90 percent of the particulate emissions from the above mentioned equipment. Particulate emissions captured by the dust collection system shall be exhausted to a fabric filter dust collector. Particulate emissions from the fabric filter dust collector outlet shall not exceed 0.02 grain of particulate emissions per cubic foot of exhaust gases and visible particulate emissions from the outlet shall not exceed ten percent opacity as a six-minute average.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while any part of this emissions unit vented to this control device is in operation.

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**B. Monitoring and/or Recordkeeping Requirements (P002)**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

**C. Reporting Requirements (P002)**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit required reports in the following manner:
  - a. reports shall be submitted to the Canton Local Air Agency; and,
  - 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 preventative measures which have been or will be taken, shall be submitted to the Canton 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 15, April 15, July 15, and October 15 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).

**D. Compliance Methods and Emission Testing Requirements (P002)**

1. Compliance with the emission limitation(s) in section A.I. of these Additional Special Terms and Conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation

Opacity of emissions from the baghouse shall not exceed 10 percent, as a 6-minute average.

Applicable Compliance Method

OAC rule 3745-17-03(B) (1)

- b. Emission Limitation

PM: 0.02 gr/ACFM, 0.26 lb/hr

Applicable Compliance Method

If required Method 5. Monitoring of the pressure drop across the fabric filter should ensure compliance.

- c. Emission Limitation

1.14 tons PM/year

Applicable Compliance Method

Multiply the hourly allowable rate times 8,760 hrs/yr and then divide by 2,000 lbs/ton.

**E. Miscellaneous (P002)**

1. None.