



State of Ohio Environmental Protection Agency

Street Address:

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Lazarus Gov.
Center

**RE: FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL
DARKE COUNTY
Application No: 08-01752**

DATE: 10/4/2001

BASF Corp
Michael Murphy
1175 Martin St
Greenville, OH 453310000

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 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

RAPCA



**Permit To Install
Terms and Conditions**

**Issue Date: 10/4/2001
Effective Date: 10/4/2001**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 08-01752

Application Number: **08-01752**
APS Premise Number: **0819070134**
Permit Fee: **\$450**
Name of Facility: **BASF Corp**
Person to Contact: **Michael Murphy**
Address: **1175 Martin St
Greenville, OH 453310000**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1175 Martin St
Greenville, OHIO**

Description of modification:

The permittee has requested a modification to remove the reference to the spray tower scrubber, since it was never installed.

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

BASF CorpFacility ID: **0819070134****PTI Application: 08-01752****Modification Issued: 10/4/2001****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. 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

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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.

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 AND OPERATION AFTER COMPLETION OF CONSTRUCTION

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

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.

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|---|--|
|-------------------------------|-------------------------------------|--------------------------|---|--|

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **BASF Corp** located in **DARKE** 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 Number</u> | <u>Source Identification Description</u> | <u>BAT Determination</u> |
|-------------------------------|-------------------------------------|--|---|
| | B002 | | Z-2; 6.438 MMBTU process steam boiler |
| | B003 | | Z-3; hot oil heating system (8.1 MMBTU) |
| P013 | | Reactor F system RX-F (12,500 lbs capacity) | * |
| P014 | | Reactor G system RX-G (41,500 lbs capacity) | * |
| P015 | | Reactor H system, RX-H (25,000 lbs capacity) | * |
| P016 | | Reactor I system, RX-I (42,000 lbs capacity) | * |
| B001 | | Z-1; 6.438 MMBTU process steam boiler | ** |

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|--|--|
| | | 3745-31-05 | | 6 TPY NO _x ; 1.5 TPY 0.2 TPY OC |
| * | | 3745-17-07 | | |
| * | | 3745-17-10 | | |
| | Applicable Federal & OAC Rules | | Permit Allowable Mass Emissions and/or Control/Usage Requirements | |
| | * * | Same as above | 1.8 lbs/hr, 5.4 TPY organic compounds | |
| | 3745-31-05 | Same as above | 6.0 lbs/hr, 18 TPY OC | |
| | 3745-15-07 | | | |
| | 3745-21-07(G)(1) | | 3.6 lbs/hr, 10.8 TPY OC | |
| | Same as above | | 6.0 lbs/hr, 18.0 TPY OC | |
| | Same as above | | 0.4 TPY, 5% opacity V.E.'s part; 3 TPY SO _x 4 TPY NO _x 1 TPY CO 0.1 TPY OC | |
| | Same as above | | Same as above | |
| | Same as above | | 0.7 TPY, 5% opacity part; 4 TPY SO _x ; | |

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*Compliance with specified allowable emission rates achievable through the application of a thermal oxidizer with minimum organic compound destruction efficiency of 97%.

**Use of clean fuels, (natural gas, #2 oil backup); 5% opacity visible emissions.

**SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

| <u>Pollutant</u> | <u>Tons/Year</u> |
|-------------------|------------------|
| Organic compounds | 52.6 |
| Particulates | 1.5 |
| SO _x | 10.0 |
| NO _x | 14.0 |
| CO | 3.5 |

This condition in no way limits the applicability of any other state or federal regulation.

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutants(s):

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The common thermal oxidizer (reactor systems control device) shall be emission tested to determine compliance with the required 97% organic compound destruction efficiency.

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.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Regional Air Pollution Control Agency, 451 W. Third Street, Dayton, Ohio 45422.

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 Regional Air Pollution Control Agency, 451 W. Third Street, Dayton, Ohio 45422.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. The organic compound emissions from sources P013, P014, P015, and P016 shall be controlled by a thermal oxidizer operating at a minimum destruction efficiency of 97%.
2. This facility shall continuously monitor and record the operating temperature of the thermal oxidizer. At no time shall this operating temperature be less than 1400°F or that level which is required to maintain compliance with a 97% destruction efficiency.
3. The records required by the previous terms and conditions shall be maintained in the company's files for a minimum of two years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.
4. This facility shall submit quarterly reports which detail the number of thermal oxidizer flameouts, and instances of any temperature excursions. The duration of each shall also be reported. These reports shall be submitted by January 15, April 15, July 15, and October 15 and shall cover the preceding three calendar months.

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5. The facility shall operate and maintain the source(s) in such a manner as to not cause a violation of OAC rule 3745-15-07, Air Pollution Nuisances Prohibited.