State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL
DARKE COUNTY
Application No: 08-04243

CERTIFIED MAIL

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

DATE: 4/10/2001

BASF Corp
Michael Murphy
1175 Martin St
Greenville, OH 45331-1886

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
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **RAPCA**

FINAL PERMIT TO INSTALL 08-04243

Application Number: 08-04243

APS Premise Number: 0819070134

Permit Fee: **$500**

Name of Facility: BASF Corp

Person to Contact: Michael Murphy

Address: 1175 Martin St
Greenville, OH 45331-1886

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

Description of proposed emissions unit(s):
storage tank.

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. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. 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.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.11 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

a. 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 <u>obtained before</u> 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).

b. 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.

11. 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.

B. State Only Enforceable 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 of state-only enforceable 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 state-only required 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. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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).

9. 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.

10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. 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

Pollutant	Tons Per Year
OC	**13.66**

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T029 - Material Transfer and Organic Liquid Storage Tanks - 115 Tanks (Reference Additional Term and Condition A.2.a.)	OAC rule 3745-31-05 (A)(3)	13.66 TPY organic compounds (OC), combined total for T029 and T030
	40 CFR Part 60 Subpart Kb	See A.III.2. and 3.
	OAC rule 3745-21-07 (D) (1) & (2)	See A.II.1.

2. Additional Terms and Conditions

2.a There a total of 115 storage tanks grouped as emissions unit T029. The following identifies the tanks, size, location and control method(s).

Location	**Tank ID and size**
Area 100:	109 - 28,000 gallons 104, 105 - 20,000 gallons 101 - 10,000 gallons 102, 103, 107 - 15,000 gallons 106 - 8,000 gallons All tanks in area 100, are equipped with conservation vents.
Area 110:	122, 135, 136 - 30,000 gallons 115 thru 121, 125 thru 131, 137 - 20,000 gallons 111 thru 114, 123, 124 - 12,000 gallons All tanks in area 110 are connected to Thermal Oxidizer II.

Area 140:	141 thru 147, 151 thru 157, 161 thru 167, 171 thru 177 - 20,000 gallons All tanks in area 140, except tank #171, are equipped with conservation vents. Tank #171 is connected to Thermal Oxidizer II.
Area 400:	424, 445, 464 - 20,000 gallons 401 thru 406, 421 thru 423, 425, 426, 441 thru 444, 446, 461 thru 463, 465 thru 467 - 12,000 gallons All tanks in area 400 are equipped with conservation vents.
Area 500:	500 thru 506, 520 thru 526, 540 thru 545, 565, 566 - 20,000 gallons 546, 564 - 15,000 gallons Tanks 500 thru 506 are connected to Thermal Oxidizer I. All other tanks in area 500, are equipped with conservation vents.
Area 700:	702, 703 - 30,000 gallons 700, 701, 704, 707 - 20,000 gallons Tanks 700 thru 704 are connected to Thermal Oxidizer II. Tank 707 is vented to a carbon canister.

2.b The resin I thermal oxidizer is a common OC control device for emissions units P001, P008 thru P011, P013 thru P016, P021, T001, P028, P029, P031 and those tanks identified in A.I.2.a. of emissions unit T029. The resin I thermal oxidizer shall achieve a minimum destruction efficiency of 97%, by weight, for OC.

2.c The resin II thermal oxidizer is a common OC control device for emissions units P022, P023, P024, P025 and those tanks identified in A.I.2.a. of emissions unit T029, and T030. The resin II thermal oxidizer shall achieve a minimum destruction efficiency of 98%, by weight, for OC.

2.d Emissions unit B007 is identified as an alternative OC emissions control device to the resin II thermal oxidizer. When emissions unit B007 is functioning as an OC emissions control device, it shall be operated such that it meets a minimum destruction efficiency of 98%, by weight, for OC.

2.e When emissions unit B007 is functioning as an OC emissions control device for the OC emissions from this emissions units, it is not necessary to establish monitoring, record keeping and reporting requirements for this emissions unit to ensure compliance with the emission limitations above. [The monitoring , record keeping and reporting requirements are established in the permit for emissions unit B007.]

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II. Operational Restrictions

1. Any tank used to store a volatile photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(7), shall be equipped with a submerged fill pipe, as defined in OAC rule 3745-21-01 (C)(6).

2. **For those storage tanks vented to the Resin I thermal oxidizer:**

   The average temperature of the combustion chamber within the thermal oxidizer, for any 3-hour period while the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. The most recent emission test that demonstrated compliance was conducted on July 14, 1998 with an average combustion chamber temperature of 1500 degrees Fahrenheit. The combustion chamber temperature reference is subject to revision, if during the term of this permit, additional stack tests are conducted that demonstrate the unit is in compliance.

   Operation of the Resin I thermal oxidizer below the specified combustion temperature range is not necessarily indicative of an emission violation, but rather serves as a trigger for maintenance and/or repair activities, or further investigation to establish correct operation.

3. **For those storage tanks vented to the Resin II thermal oxidizer:**

   The average temperature of the combustion chamber within the thermal oxidizer, for any 3-hour period of operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. The most recent emission test that demonstrated compliance was conducted on February 28, 1996 with an average combustion chamber temperature of 1503 degrees Fahrenheit. The combustion chamber temperature reference is subject to revision, if during the term of this permit, additional stack tests are conducted that demonstrate the unit is in compliance.

   Operation of the Resin II thermal oxidizer or emissions unit B007 (when it is used as an alternative organic compound control device) below the specified combustion temperature range is not necessarily indicative of an emission violation, but rather serves as a trigger for maintenance and/or repair activities, or further investigation to establish correct operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder

shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

a. A log of the downtime* for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

b. All 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

* The control device downtime is defined as any time when the emissions unit is in operation, employing organic compounds, and the thermal oxidizer is not in operation. Monitoring equipment downtime is defined as any time when the emissions unit is in operation, employing organic compounds, and the temperature monitoring equipment is not functioning.

2. The permittee shall maintain readily accessible records showing the dimensions of each storage vessel and an analysis showing the storage capacity of each storage vessel.

3. The permittee shall maintain the following records for those tanks with a storage capacity greater than 19,812 gallons and store liquids with maximum true vapor pressures exceeding 2.18 psia:

a. The volatile organic liquids stored.

b. The period of storage the volatile organic liquids.

c. The maximum true vapor pressure of the volatile organic liquids during that period.

4. The permittee shall record and maintain the following information for each storage vessel on a monthly basis:

a. The identification of the material being stored.

b. Whether the tank is equipped with a submerged fill pipe.

c. Whether the material being stored is defined as a volatile photochemically reactive material.

d. The throughput of the material, in pounds.

e. The true vapor pressure of the material, in psia.

f. The calculated organic compound emissions, in pounds.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the resin I thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent performance test that demonstrated the emissions unit was in compliance.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the resin II thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent performance test that demonstrated the emissions unit was in compliance.

3. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

4. All of the quarterly reports required in this permit shall be submitted in accordance with section A.1.c. of the General Terms and Conditions of this permit.

5. The permittee shall submit notification to the Director (the appropriate Ohio EPA District Office or local air agency) of any time when a volatile photochemically reactive material is stored in a tank that is not equipped with submerged fill. The notification shall be submitted within 30 days of the date of the occurrence.

6. The permittee shall submit annual reports which specify the actual OC emission rate for the previous calendar year for emissions units T029 and T030, combined. These reports shall be submitted by January 31 of each year.

7. Pursuant to the NSPS, the source owner/operator is required to report the following milestones:

   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 - Air Quality Modeling and Planning
   P.O. Box 1049
   Columbus, OH 43216-1049

   and **Regional Air Pollution Control Agency**
   451 West Third Street
   Dayton, OH 45422

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation-
   13.66 TPY OC, combined total for T029 and T030

   Applicable Compliance Method-
   Compliance is presumed through the application of submerged fill, conservation vents and the application of Resin I and II thermal oxidizers. The monthly organic compound emissions from each tank will be calculated using a facility specific computer program. The computer program is based on the equations in AP-42, Section 4.3 used to calculate working and breathing losses and material data on the compounds and mixtures, as extracted from the Material Safety Data Sheets (MSDS). The 12-monthly organic compound limits for each tank shall then be summed and divided by 2000 lbs/ton for the total combined annual emission rate.

   b. Emission Limitation-
   97% destruction efficiency, for Resin I Thermal Oxidizer, by weight, for OC

   Applicable Compliance Method-
   Compliance with the destruction efficiency above shall be based upon the results of emission testing conducted in accordance with the methods and procedures outlined in Section V.2 of this permit.

   c. Emission Limitation-
   98% destruction efficiency, for Resin II Thermal Oxidizer, by weight, for OC

   Applicable Compliance Method-
   Compliance with the destruction efficiency above shall be based upon the results of emission testing conducted in accordance with the methods and procedures outlined in Section V.2 of this permit.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

   a. The emission testing shall be conducted to demonstrate compliance with the control efficiency requirement for the resin I thermal oxidizer and the resin II thermal oxidizer.

   b. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for organic compounds, Method 25A of 40 CFR Part 60, Appendix A. The test methods which must be employed to demonstrate compliance with the control efficiency are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

   c. 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 appropriate Ohio EPA District Office or local air agency.

The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. Upon the issuance of PTI 08-04243, the following emissions units will be withdrawn: P017, P018, P019, and T005 thru T028.

   The Special Terms and Conditions of this Permit to Install shall supersede all applicable requirements of PTI 08-2880 for emissions units P017 through P019 and T005 through P014; and PTI 08-3060 for emissions units T015 through T028.

B. State Only Enforceable Section

I. 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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T029 -Material Transfer and Organic Liquid Storage Tanks - 115 Tanks (Reference Additional Term and Condition A.2.a.)		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T030 - 30,000 gallon Fuel Oil Storage Tank #110 with submerged fill and vented to Resin II Thermal Oxidizer	OAC rule 3745-31-05 (A)(3)	13.66 TPY organic compounds (OC), combined total for T029 and T030
	OAC rule 3745-21-09 (L)(2)	See Section A.I.2.a.
	NSPS 40 CFR Part 60 Subpart Kb	See Section A.III.1.

2. Additional Terms and Conditions

2.a The tank is exempt from the requirements of OAC rule 3745-21-09 (L)(1), since it is a fixed roof tank with a capacity of less than forty thousand gallons.

2.b The resin II thermal oxidizer is a common OC control device for emissions units P022, P023, P024, P025 and those tanks identified in A.I.2.a. of emissions unit T029, and T030. The resin II thermal oxidizer shall achieve a minimum destruction efficiency of 98%, by weight, for OC.

2.c Emissions unit B007 is identified as an alternative OC emissions control device to the resin II thermal oxidizer. When emissions unit B007 is functioning as an OC emissions control device, it shall be operated such that it meets a minimum destruction efficiency of 98%, by weight, for OC.

2.d When emissions unit B007 is functioning as an OC emissions control device for the OC emissions from this emissions units, it is not necessary to establish monitoring, record keeping and reporting requirements for this emissions unit to ensure compliance with the emission limitations above. [The monitoring , record keeping and reporting requirements are established in the permit for emissions unit B007.]

II. Operational Restrictions

1. The tank shall be loaded by means of a submerged fill pipe, defined as any fill pipe with the discharge opening entirely submerged when the liquid level is six inches above the bottom of the tank or when loaded from the side, any fill pipe with the discharge opening entirely submerged when the liquid level is eighteen inches above the bottom of the tank, OAC rule 3745-21-01 (C)(6).

2. The average temperature of the combustion chamber within the resin II thermal oxidizer, for any 3-hour period of operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. The most recent emission test that demonstrated compliance was conducted on February 28, 1996 with an average combustion chamber temperature of 1503 degrees Fahrenheit. The combustion chamber temperature reference is subject to revision, if during the term of this permit, additional stack tests are conducted that demonstrate the unit is in compliance.

3. Operation of the Resin II thermal oxidizer or emissions unit B007 (when it is used as an alternative organic compound control device) below the specified combustion temperature range is not necessarily indicative of an emission violation, but rather serves as a trigger for maintenance and/or repair activities, or further investigation to establish correct operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

   The permittee shall collect and record the following information for each day for the control equipment:

   a. A log of the downtime* for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

   b. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.

   * The control device downtime is defined as any time when the emissions unit is in operation, employing organic compounds, and the thermal oxidizer is not in operation. Monitoring equipment

downtime is defined as any time when the emissions unit is in operation, employing organic compounds, and the temperature monitoring equipment is not functioning.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the resin II thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent performance test that demonstrated the emissions unit was in compliance.

2. The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

3. All of the quarterly reports required in this permit shall be submitted in accordance with section A.1.c. of the General Terms and Conditions of this permit.

4. The permittee shall submit deviation (excursion) reports which identify any exceedances of the combined allowable emission rate of 13.66 TPY OC for emissions units T029 and T030 and specify the actual OC emissions for the previous calendar year. These reports shall be submitted by January 31 of each year.

5. Pursuant to the NSPS, the source owner/operator is required to report the following milestones:

   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 - Air Quality Modeling and Planning
   P.O. Box 1049
   Columbus, OH 43216-1049

   and **Regional Air Pollution Control Agency**
   451 West Third Street
   Dayton, OH 45422

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation-

13.66 TPY organic compounds

Applicable Compliance Method-
Compliance is presumed through the application of submerged fill, conservation vents and the application of Resin I and II thermal oxidizers. The monthly organic compound emissions from each tank will be calculated using a facility specific computer program. The computer program is based on the equations in AP-42, Section 4.3 used to calculate working and breathing losses and material data on the compounds and mixtures, as extracted from the Material Safety Data Sheets (MSDS). The 12-monthly organic compound limits for each tank shall then be summed and divided by 2000 lbs/ton for the total combined annual emission rate.

b. Emission Limitation-
98% destruction efficiency, for Resin II Thermal Oxidizer, by weight, for OC

Applicable Compliance Method-
Compliance with the destruction efficiency above shall be based upon the results of emission testing conducted in accordance with the methods and procedures outlined in Section V.2 of this permit.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted to demonstrate compliance with the control efficiency requirement for the resin II thermal oxidizer.

b. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for organic compounds, Method 25A of 40 CFR Part 60, Appendix A. The test methods which must be employed to demonstrate compliance with the control efficiency are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

c. 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 appropriate Ohio EPA District Office or local air agency.

The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or the approved alternative test protocol (e.g., the mass balance protocol approved on 10/25/95. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. The Special Terms and Conditions of this Permit to Install shall supersede all applicable requirements of PTI 08-2880 for emissions unit P017.

B. State Only Enforceable Section

I. 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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T030 - 30,000 gallon Fuel Oil Storage Tank # 110 with submerged fill and vented to Resin II Thermal Oxidizer		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 08-04243 Facility ID: 0819070134 Emissions Unit ID: T030

FACILITY NAME BASF Corp

FACILITY DESCRIPTION storage tank. CITY/TWP Greenville

NEW SOURCE REVIEW FORM B

PTI Number: 08-04243 Facility ID: 0819070134

FACILITY NAME BASF Corp

FACILITY DESCRIPTION storage tank. CITY/TWP Greenville

SIC CODE 2851 SCC CODE 4-07-060-97 EMISSIONS UNIT ID T029

EMISSIONS UNIT DESCRIPTION Material Transfer and Organic Liquid Storage Tanks (115 Tanks)

DATE INSTALLED PTI issued

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					
PM_{10}					
Sulfur Dioxide					
Organic Compounds	attainment		13.66 combined for T029 & T030		13.66 combined for T029 & T030
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart Kb NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
BAT is compliance with the applicable regulations and specified allowable emission rates thru submerged fill, conservation vents and in some cases thermal oxidizer control; record keeping; and reporting

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no net increase

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: 08-04243 Facility ID: 0819070134

FACILITY NAME BASF Corp

FACILITY DESCRIPTION storage tank. CITY/TWP Greenville

SIC CODE 2851 SCC CODE 4-06-001-32 EMISSIONS UNIT ID T030

EMISSIONS UNIT DESCRIPTION 30,000 gallon Fuel Oil Storage Tank 110

DATE INSTALLED installed

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					
PM_{10}					
Sulfur Dioxide					
Organic Compounds	attainment		13.66 combined for T029 & T030		13.66 combined for T029 & T030
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart Kb NESHAP? PSD? OFFSET POLICY?

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

BAT is compliance with the applicable regulations and specified allowable emission rates thru submerged fill, conservation vents and in some cases thermal oxidizer control; record keeping; and reporting

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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: