



State of Ohio Environmental Protection Agency

*Belf*

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

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

MAILING ADDRESS:

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

Re: Permit to Install  
Lucas County  
Application No: 04-1066  
NSPS

July 2, 1997

BP OIL CO., TOLEDO REFINERY  
RONALD H. YOUNGS  
P.O. BOX 696  
TOLEDO, OH 43697

CERTIFIED MAIL  
**RECEIVED**  
JUL 09 1997  
City of Toledo  
Environmental Services

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 Board of Review 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 Board of Review 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 Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
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  
TOLEDO ENVIRONMENTAL SERVICES DIVISION  
MICHAEL J. WHITE, CITY OF OREGON

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director



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## Permit to Install Terms and Conditions

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Application No. 04-1066  
APS Premise No. 0448020007  
Permit Fee: \$3100.00

Name of Facility: BP OIL CO., TOLEDO REFINERY

Person to Contact: RONALD H. YOUNGS

Address: P.O. BOX 696  
TOLEDO, OH 43697

Location of proposed source(s): 4001 CEDAR POINT ROAD  
OREGON, OHIO

Description of proposed source(s):  
(5) FIXED ROOF PETROLEUM LIQUID STORAGE TANKS.

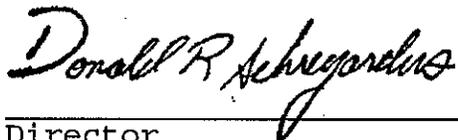
Date of Issuance: July 2, 1997

Effective Date: July 2, 1997

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



Director

**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)

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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.

#### **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.

**AIR EMISSION SUMMARY**

The air contaminant sources listed below comprise the Permit to Install for BP OIL CO., TOLEDO REFINERY located in Lucas County. The sources 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>
T113	PR-890/10,206 BBL fixed roof petroleum liquid storage tank (installed 1974)	Submerged fill	3745-21-09 (L) 3745-31-05 NSPS Subpart K	21.21 tons/yr VOC
T114	PR-891/15,469 BBL fixed roof petroleum liquid storage tank (installed 1974)	Submerged fill	3745-21-09 (L) 3745-31-05 NSPS Subpart K	26.22 tons/yr VOC
T115	PR-892/ 139,200 BBL fixed roof petroleum liquid storage tank (installed 1974)	Submerged fill	3745-21-09 (L) 3745-31-05 NSPS Subpart K	38.93 tons/yr VOC
T116	PR-893/ 139,345 BBL fixed roof petroleum liquid storage tank (installed 1974)	Submerged fill	3745-21-09 (L) 3745-31-05 NSPS Subpart K	36.54 tons/yr VOC

<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>
T177	PR-757/30,000 BBL fixed roof petroleum liquid storage tank (installed 1979)	Submerged fill	3745-21-09 (L) 3745-31-05 NSPS Subpart Ka	9.04 tons/yr VOC

**SUMMARY**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
VOC	132

**NSPS REQUIREMENTS**

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source No.</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
T113-T116	Fixed roof petroleum liquid tanks	K
T177	Fixed roof petroleum liquid tank	Ka

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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).

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Reports are to be sent to:

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

and Toledo Pollution Control Division  
26 Main Street  
Toledo, Ohio 43605

#### **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.

#### **REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Toledo Pollution Control Division, 26 Main Street, Toledo, Ohio 43605.

#### **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 Toledo Pollution Control Division, 26 Main Street, Toledo, Ohio 43605.

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.

**MISCELLANEOUS STORAGE TANKS**

Unless otherwise indicated, BAT for any miscellaneous storage tanks identified within this permit consists of the use of submerged fill into the storage tanks. The submerged fill pipe(s) are to be installed within six (6) inches of the bottom of the storage tank.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

A. Operational Restrictions

1. The permittee shall not place, store, or hold in fixed roof tanks T113, T114, T115, T116 or T177 any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute.

B. Monitoring and Recordkeeping Requirements

1. The permittee shall maintain records of the following information for T113, T114, T115, T116 and T177:
  - a. the types of petroleum liquids stored in the tank; and,
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.

C. Reporting Requirements

1. If the permittee places, stores, or holds in fixed roof tank T113, T114, T115, T116 or T177 any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director within 30 days of becoming aware of the occurrence.

D. Compliance Method Requirements

1. Compliance with the emission limitations in the Air Emission Summary of this permit to install shall be determined in accordance with the following methods:

Emission Limitation

Applicable Compliance Method

T113, 21 tons/yr VOC

Emission calculation using AP-42 Section 7.1 dated February, 1996 and the actual annual tank throughput.

T114, 26 tons/yr VOC

Emission calculation using AP-42 Section 7.1 dated February, 1996 and the actual annual tank throughput.

T115, 39 tons/yr VOC

Emission calculation using AP-42 Section 7.1 dated February, 1996 and the actual annual tank throughput.

T116, 37 tons/yr VOC

Emission calculation using AP-42 Section 7.1 dated February, 1996 and the actual annual tank throughput.

T177, 9 tons/yr VOC

Emission calculation using AP-42 Section 7.1 dated February, 1996 and the actual annual tank throughput.

E. Miscellaneous Requirements

The permittee shall comply with 40 CFR Part 60.110, NSPS Subpart K, for emission units T113-T116 and 40 CFR Part 60.110a, NSPS Subpart Ka, for emission unit T177.