



State of Ohio Environmental Protection Agency

Street Address:

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Lazarus Gov.  
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** CERTIFIED MAIL  
WASHINGTON COUNTY  
Application No: 06-04863

DATE: 6/10/2003

Chevron Phillips Chemical Company, LP  
Haila Buskirk  
P.O. Box 1000 Route Seven South  
Marietta, OH 45750

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,

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

SEDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 6/10/2003  
Effective Date: 6/10/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 06-04863

Application Number: **06-04863**  
APS Premise Number: **0684020001**  
Permit Fee: **\$0**  
Name of Facility: **Chevron Phillips Chemical Company, LP Buskirk**  
Person to Contact: **Haila**  
Address: **P.O. Box 1000 Route Seven South  
Marietta, OH 45750**

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**P.O. Box 1000, Route Seven South  
Marietta, OHIO**

Description of modification:

**Administrative modification of PTI 06-4863, issued August 21, 1996, to change the particulate emission limitation from PM10 to total particulate emissions (PE) with no change in the limitation value.**

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

**Chevron Phillips Chemical Company, LP**

**PTI Application: 06-04863**

**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

## **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.

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

### **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 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 ninety (90) 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.

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

<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>
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**AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **Chevron Phillips Chemical Company, LP** located in **WASHINGTON** 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	Polystyrene production lines (increase in production from 66,000 to 70,000 lbs/hr)	LDAR program, condensers, and hot oil heater as final control	3745-31-05 (A) (3) 3745-17-07 3745-21-09 (DD)	VOC emissions: 2.12 lbs/hr 9,1 TPY fugitive sources 0.94 lb/hr 4.1 TPY  Individual toxic limits included in VOC emissions above: Styrene (point source and fugitive) 2.20 lbs/hr 9.7 TPY  Toluene (point source and fugitive) 0.49 lb/hr 2.1 TPY  Cumene (point source and fugitive)

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

<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>
0.18 lb/hr	34.2 TPY			
0.8 TPY	CO emissions: 1.02 lbs/hr			
Ethylbenzene (fugitive )	4.5 TPY			
0.002 lb/hr	SO <sub>2</sub> emissions: 3.37 lbs/hr			
0.01 TPY	14.8 TPY			
Xylene (fugitive )	The permittee shall implement a Leak Detection and Repair program which complies with OAC 3745-21-09 (DD)			
0.03 lb/hr				
0.11 TPY				
Particulate Emission (PE):				
8.89 lbs/hr				
38.9 TPY				
NO <sub>x</sub> emission s:				
7.80 lbs/hr				

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<b><u>Pollutant</u></b>	<b><u>Tons/Year</u></b>
VOC	13.2 (decrease of 60.3)
PE	38.9 (increase of 6.5)
NO <sub>x</sub>	34.2 (increase of 6.1)
CO	4.5 (increase of 0.8)
SO <sub>2</sub>	14.8 (increase of 13.5)

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

### **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 pollutant(s):

<b><u>Source</u></b>	<b><u>Pollutant(s)</u></b>
<b>P001</b>	<b>VOC</b>

### **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 OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

### **WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage,

**Chevron Phillips Chemical Company, LP**

**PTI Application: 06-04863**

**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

treatment, transport and disposal of any waste material generated by the operation of the sources.

**Chevron Phillips Chemical Company, LP**  
**PTI Application: 06-04863**  
**Modification Issued: 6/10/2003**

Facility ID: **0684020001**

### **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 OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

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.