

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF AIR QUALITY CONTROL

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No.: 04-313-052

Source: Bulk Polymerization

Owner: ARCO Chemical Co

Air: Water Condensers

Address: Frankfort Road  
Monaca, PA 15061

Cleaning:  
Devices:

Attention: Londel Allen  
Environmental Engineer

Plant: Monaca Plant  
Location: POTTER TOWNSHIP  
County: BEAVER

This permit is subject to the following conditions:

That the source and any associated air cleaning devices are to be:

- (a) operate in such a manner as not to cause air pollution;
- (b) in compliance with the specifications and conditions of the plan approval issued under the same number;
- (c) operated and maintained in a manner consistent with good operating and nonmanagement practices.

(2) This permit valid only for the specific equipment, location and owner named above.

Failure to comply with the conditions placed on this permit is a violation of Section 127.25. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued 12/09/86

Expires 07/31/91

  
Regional Air Pollution Control Engineer

COMMONWEALTH OF PENNSYLVANIA  
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PLAN APPROVAL

Permit No.: 04-313-052

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Address: Frankfort Road  
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Devices :

Attention: Londel Allen  
Environmental Engineer

Plant: Monaca Plant  
Location: POTTER TOWNSHIP  
County: BEAVER

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Resources, The Department on 11/21/86 approved plans for the construction of the above indicated air contamination source(s).

This PLAN APPROVAL expires 01/31/87

The plan approval is subject to the following conditions:

1. The source is to be constructed in accordance with the plans submitted with the application (as approved herein).

2. This plan approval shall also serve as a temporary operation permit in accordance with the provisions of 25 PA Code 127.23. This temporary operation permit is valid for 120 days from completion of construction (modification, reactivation, or installation of control equipment) to allow for startup and debugging of the source and/or control equipment, provided that notification of completion of construction is given to the Department within five (5) working days of the completion date. Should a period longer than 120 days be needed, a separate temporary operating permit renewal shall be obtained.

(Special conditions, if applicable, are attached.)

Notify the person noted below when the installation is completed so that the source can be inspected for issuance of an OPERATING PERMIT.

NOTE: Bruce A Fry  
Engineer  
(412) 665-2929

  
Regional Air Pollution Control Engineer

Permit Conditions  
Permit Number 04-313-052  
ARCO Chemical Company

Conditions (continued)

3. This permit covers the following sources:
  - a) Number 1 Dylark bulk polymerization line
  - b) Number 2 Dylark bulk polymerization line
4. This permit covers the following air cleaning devices:
  - a) Number 1 Dylark line condensers
  - b) Number 2 Dylark line condensers
5. Applicable emission standard:
  - a) VOC emissions from each bulk polymerization process shall not exceed 0.12 pounds per 1000 pounds of polystyrene produced.
6. The permittee may be required to conduct VOC emissions testing as specified in 25 PA Code Chapter 139.
7. The permittee shall daily monitor and record the temperatures of the condensed styrene collection vessels and the pressures of the vacuum systems, and shall retain the records for a period of two (2) years.
8. The permittee shall maintain the condenser systems in accordance with manufacturer specifications and good operating practice.
9. The permittee shall maintain records of control system failures and shall promptly notify the Department of control system failures.
10. Violations of any of the conditions and limitations of plan approval 04-313-052 shall be deemed to be a violation of 25 PA Code Section 127.25.
11. Nothing contained herein shall be construed as limiting the Regional Office's authority to take enforcement action if the condenser emissions, despite conformance with the restrictions herein, are causing or contributing to air pollution as the term is defined in the Air

Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §4001 et seq.

12. The expiration date shown on this operating permit is for state purposes. For Federal enforcement purposes this operating permit shall remain in effect as a part of the State Implementation Plan until repealed pursuant to 40 CFR 51.4 and approved by the U. S. Environmental Protection Agency.