



**City of Philadelphia  
Department of Public Health  
Air Management Services**

**INSTALLATION PERMIT**

Approval No: 13280

Date: **December 23, 2013**

**Plant ID: 01508**

Owner: Sunoco Inc. (R&M)  
Address: 10 Industrial Highway, MS4  
Lester, PA 19029

Source: Sunoco Belmont Remediation System  
Location: 2700 West Passyunk Street  
Philadelphia, PA 19145

Attention: Jim Oppenheim  
Phone: (610) 833-3444  
Email: jroppenheim@sunocoinc.com

Pursuant to the provisions of Title 3 of the Philadelphia Code, the Air Management Code of February 17, 1995, as amended, and after due consideration of an installation permit application received under the rules and regulations of the Philadelphia Air Pollution Control Board, the City of Philadelphia, Department of Public Health, Air Management Services (AMS) on **December 23, 2013** approved plans for the installation and temporary operation of the air contamination device(s) described below:

One Open Bed Biofilter at Sunoco Inc. (R&M) Belmont Terminal,  
treating petroleum hydrocarbon vapors from the Shunk Street sewer.

This Installation Permit expires on **December 23, 2014**. If the installation has not been completed by this date, an application for either an extension or new installation permit must be made. The conditions of this installation permit will remain in effect until they are incorporated in an operating license or permit.

This Installation Permit is subject to conditions prescribed in the attachment.

---

Biji Pandisseril  
Environmental Engineer  
(215) 685-9427

**INSTALLATION PERMIT CONDITIONS**  
**INSTALLATION PERMIT NO. 13280**  
**COMPANY: SUNOCO, INC (R&M)**

1. The Biofilter shall be installed, operated and maintained according to Best Management Practices to maximize odor reduction for the air stream it controls.
2. Odors from the process shall not cause odor nuisance outside the boundary of the property.
3. Sunoco Inc., shall smoke test the piping of the biofilter to ensure proper distribution of the influent vapors. The smoke testing shall be repeated annually .
4. Sunoco Inc. shall monitor and record the following information:
  - (i) Weekly blower flow rate, influent vacuum, and effluent pressure
  - (ii) Weekly treatment bed temperatures, and influent pressure,
  - (iii) Weekly influent concentration at the Shunk St Sewer blower and the effluent concentration from the top of each bed.
  - (iv) humidity and temperature of the influent stream weekly
  - (v) pH of the filter media quarterly.
5. Sunoco Inc. shall record all maintenance procedures and check lists. All records for conditions 3 and 4 above shall be retained for a minimum period of five years and made available to AMS upon request.