



**CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC HEALTH
AIR MANAGEMENT SERVICES**

PLAN APPROVAL

Approval No.: 06170
Plant ID: 01501

Date: April 30, 2007
Source: Sunoco, Inc. (R&M) (Sunoco)

Owner: Sunoco, Inc. (R&M)
Address: 3144 Passyunk Avenue
Philadelphia, PA 19145-5299

Location: 3144 Passyunk Avenue
Philadelphia, PA 19145-5299

Attention: Jim Oppenheim
Senior Environmental Consultant

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 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 April 23, 2007 approved plans for the modification of the air contamination source(s) described below:

- Adjust the monitoring required in the March 23, 1998 approval letter for Plan Approval No. 98005 for the Sewer Odor Treatment Unit (Biofilter) located at 3200 South 26th Street as follows:
 - Change daily monitoring of humidity to weekly monitoring of the steam injection system.
 - Change temperature monitoring from daily to weekly.
 - Change CDM checklist requirement from daily to weekly.
 - Change checklists for steam valve positions and Biofilter cell pressures from weekly to monthly.
 - Change checks of blower fan performance and pH cell beds from monthly to quarterly.

This plan approval expires on October 30, 2008.

The sources covered by this plan approval are subject to the conditions prescribed in the attachment.

Edward Braun
Chief, Source Registration

PLAN APPROVAL CONDITIONS
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COMPANY: SUNOCO, INC. (R&M)

1. The Biofilter shall be operated in accordance with the specifications in the application (as approved herein) and in such a manner as to maximize odor reduction for the air stream it controls.
2. Sunoco shall inspect and calibrate on a monthly basis the humidification system to assure 100% relative humidity for the influent air stream to the Biofilter.
3. Sunoco shall inspect and calibrate on a monthly basis the temperature control system to assure proper operating temperatures of the influent stream to the Biofilter.
4. Sunoco shall perform all routine maintenance procedures to the Biofilter according to Camp Dresser & McKee's (CDM's) maintenance plan (including but not limited to annual maintenance/testing of the heating coil and air distribution piping).
5. Sunoco shall monitor and record the following:
 - a. Weekly monitoring of the steam injection system.
 - b. Weekly temperature of the inlet gas to the Biofilter.
 - c. Weekly CDM checklists.
 - d. Weekly checklists for fan current and fan differential pressure.
 - e. Monthly checklists for steam valve positions and Biofilter cell pressures.
 - f. Quarterly checks of blower fan performance.
 - g. Quarterly checks of pH cell beds.
 - h. All checklists must follow those included in the application for this plan approval. New or modified checklists may be substituted if approved by AMS.
6. All records must be kept for a minimum of 5 years and made available to AMS upon request.