



CITY OF PHILADELPHIA

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

321 University Avenue
Philadelphia, PA 19104-4543
Telephone - (215) 685-7572
Fax - (215) 685-7593

ESTELLE B. RICHMAN
Health Commissioner

JOHN F. DOMZALSKI
*Deputy Health Commissioner For
Public Health Services*

MORRIS FINE
Acting Director For Air Management Services

March 23, 1998

Mr. Steven Coladonato
Sun Company, Inc.
3144 Passyunk Ave.
Philadelphia, PA 19145

RE: PERMIT APPROVAL CONDITIONS FOR SEWER ODOR TREATMENT UNIT ADJACENT TO SUN PHILADELPHIA REFINERY (APPLICATION NO. 98005)

Dear Mr. Coladonato:

You are hereby notified that your plan approval application for the sewer odor treatment unit (biofilter) adjacent to Sun Philadelphia Refinery (Sun) located at 3200 South 26th Street has been approved with the following conditions:

1. Sun shall install, operate and maintain the biofilter in such a manner as to maximize odor reduction for the air stream it controls.
2. Sun shall inspect and calibrate on a monthly basis the humidification system to assure 100% relative humidity for the influent air stream to the biofilter. Sun may petition to Air Management Services (AMS) for a longer duration between inspections and calibrations only after this system has been adequately demonstrated to maintain the required humidity level for the entire duration of this expanded period.
3. Sun shall inspect and calibrate on a monthly basis the temperature control system to assure proper operating temperatures of the influent air stream to the biofilter. Sun may petition to AMS for a longer duration between inspections and calibrations only after this system has been adequately demonstrated to maintain the required temperature range for the entire duration of this expanded period.
4. Sun shall perform all routine maintenance procedures to the biofilter according to Camp Dresser & McKee's (CDM's) maintenance plan (including but limited to annual maintenance/testing of the heating coil and air distribution piping).
5. Sun shall monitor and record the following information for the purpose of satisfying the requirements of condition 1 above:
 - a. Sun shall record daily the following process parameters: humidity and temperature of inlet gas to the biofilter (% R.H. & °F),
 - b. Sun shall record monthly the pH of the filter media.
 - c. Sun shall record and retain all maintenance procedures and check lists in accordance with CDM's maintenance plan.
6. All records described above shall be retained for a minimum period of two years and made available to AMS upon request.

If you have any questions, please give me a call at (215) 685-7572.

Sincerely yours,

Roger M. Fey
Plan Approval Engineer

cc: T. Huynh
J. Gortva
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