

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

EPA

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the 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 Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

| | | | |
|------------|--|----------|---|
| Permit No. | <u>35-0014</u> | Source & | <u>Landfill Gas Extraction System with Flare(s)</u> |
| Owner | <u>Keystone Sanitary Landfill, Inc.</u> | Air | <u></u> |
| Address | <u>P.O. Box 249 Dunham Drive Dunmore, PA 18512</u> | Cleaning | <u></u> |
| Attention: | <u>Mr. Joseph Dexter Operations Manager</u> | Device | <u>Dunham Drive Dunmore/Throop Boroughs</u> |
| | | Location | <u>Lackawanna</u> |

This permit is subject to the following conditions:


1. That the source and any associated air cleaning devices are to be:
 - A. operated 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 maintenance practices.
2. This permit is valid only for the specific equipment, location and owner named above.

(SEE ATTACHED)

Failure to comply with the conditions placed on this permit is in violation of Section 127.444. Violation of this or any other provisions of Article III of the rules and regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued

APR 19 1999


Thomas A. DiLazaro
Program Manager
Air Quality Program

cc: Div. of Permits
File

- (3) This Operating Permit incorporates Reasonably Available Control Technology (RACT) determinations for VOC emissions as required by Title I of the CAAA and 25 PA Code Section 12991 through 12995 from the Landfill.
- (4) RACT for this landfill for control of VOC emissions is the installation and operation of an active gas collection system having at least a 75 % collection efficiency and flares having at least a 98 % destruction efficiency for VOC's. (Where VOC is considered to be equal to NMOC). Fulfillment of all requirements of Subpart WWW shall also be a condition of meeting RACT.
- (5) The company shall ensure that each enclosed flare is equipped with the applicable monitoring equipment and the monitoring equipment shall be installed calibrated operated and maintained according to the vendor's specifications at all times the flare is in use.
- (6) The company shall maintain and demonstrate at least a 75% collection/capture efficiency for the landfill gas collection system. The collection/capture efficiency shall be demonstrated quarterly. All demonstrations shall be submitted 30 days after the end of each calendar quarter. The collection efficiency shall be demonstrated as follows:

Collection Efficiency = the total volume of landfill gas combusted in the gas plant and/or flares divided by the total volume of landfill gas generated.

The total volume of landfill gas generated will be determined via the EPA Landfill Gas Emissions Model version 20 or latest by inputting actual waste landfilling rates and actual landfill gas (non-methane organic compounds landfilling-NMOC) concentrations.
- (7) The operating temperature of each enclosed flare shall be continuously measured and recorded. The temperature shall be monitored and maintained at 1560°F or the minimum temperature achieved during the performance test in which compliance with the destruction removal efficiency (DRE) requirements was demonstrated.
- (8) The company shall ensure that the capture system and control device are operated at all times.
- (9) If requested by the Department the company shall perform a stack test in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection within the time specified by the Department.
- (10) Record keeping and reporting requirements are as follows:
 - (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this operating permit 25 PA Code Section 12995 such that records provide sufficient data and

calculations to clearly demonstrate that the requirements of PA Code Sections 12991-4 are met. The file shall include but not be limited to: all air pollution control systems performance evaluations and records of calibration checks adjustments and maintenance performed on all equipment which is subject to this Operating Permit. All measurements records and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements records or data are recorded.

- (12) The owner/operator of a facility which the landfill gas is sold to, shall be permitted by the Department of Environmental Protection to insure compliance with the 98% destruction efficiency of the landfill gas.

