



OPERATING PERMIT

In accordance with the 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>35-0009</u> | Source & | <u>Landfill Gas Extraction System with Flare(s) and/or Gas Processing Plant</u> |
| Owner | <u>Empire Sanitary Landfill, Inc.</u> | Air | <u></u> |
| Address | <u>398 South Keyser Avenue</u> | Cleaning | <u></u> |
| | <u>Taylor, PA 18517</u> | Device | <u></u> |
| Attention: | <u>Alan W. Stephens</u> | Location | <u>Taylor Borough, Old Forge Borough, Ransom Township Lackawanna County</u> |
| | <u>Operations Manager</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 provision 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 OCT 17 1996
~~Expires May 31, 2001~~

Thomas A. DiLazaro
Thomas A. DiLazaro
Program Manager
Air Quality Program

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Mobile Sources
Division (2471)

JAN 29 1997

EPA REGION III

- (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 129.91 through 129.95 from the Landfill. This Operating permit supersedes Operating Permit No.35-322-003 issued for the operation of a flare to control the VOC emissions generated from the Landfill. The Terms and conditions of Operating Permit No.35-322-003 are included in this Operating Permit.
- (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 Emission Guideline Subpart Cc 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, which will initially be calculated for the period June 1, 1996 through January 1, 1997. The collection/capture efficiency shall be demonstrated quarterly thereafter. 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 2.0 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 OF 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) The air pollution control devices shall be installed in accordance with the schedule contained in the RACT proposal to maintain the VOC emission level specified in the application.

| ITEM | INSTALLATION DATE |
|--|-----------------------------|
| 1,500 CFM Enclosed Flare A | May 1994 (Completed) |
| 500 CFM Candle Flare 1 | March 1996 (Completed) |
| 800 CFM Candle Flare 2 | March 1996 (Completed) |
| 500 CFM Candle Flare 3 | As needed |
| 2,400 CFM Enclosed Flare B | August 15, 1996 (Completed) |
| Gas Processing Plant or applicable flare | September 1, 1997 |
| 1,500 CFM Enclosed Flare C | In year 2003 |

- (10) The company shall submit a letter indicating the commencement date of the Gas Processing Plant and the necessary information to show that the operation of the Gas Processing Plant will begin on or before September 1, 1997. Such notification shall be submitted on or before November 1, 1996.
- (11) If the company fails to comply with Condition No. 10 of this Operating Permit, the company shall submit on or before January 1, 1997 an Application for plan approval for the installation and operation of a 1500 CFM flare. Said flare shall be in operation on or before January 1, 1998 such that the 75% capture and 98% combustion of landfill gas can be maintained.
- (12) 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.
- (13) 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 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of PA Code Sections 129.91-4 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.

~~(14) The Expiration date shown on this Operating Permit is for State purposes. For Federal Enforcement purposes, the DACT portion of this Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the US Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the US EPA upon the approval of the State as a condition to the SIP.~~

~~(15) This source (existing landfill) and it is subject to Subpart G of the Standard of Performance for New Primary, Commercial and Industrial sources, which is applied to all sources of this category. 40 CFR 504 requires submission of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:~~

~~Director
Air, Toxic and Radiation Division
US EPA, Region III
841 Chestnut Street
Philadelphia, PA 19107~~

~~(16) Any notification as a result of any condition herein should be directed to:~~

~~Thomas A. Diloreno
Program Manager
Department of Environmental Protection
Air Quality Program
2 Public Square
Hillsborough, PA 18711-0700~~