

217/782-2113

LIFETIME OPERATING PERMIT

PERMITTEE

Peoria Disposal Company
Attn: Ronald Welk
4349 Southport Road
Peoria, Illinois 61615

Application No.: 82020021

I. D. No.: 143808AAN

Applicant's Designation:

Date Received: November 1, 2001

Operation of: Landfill

Date Issued: April 24, 2002

Expiration Date: See Condition 1

Location: 4349 Southport Road, Peoria

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of:

The Leachate Treatment System Comprised of:

Leachate Collection Trenches
Leachate Storage Tank

The Landfill Gas Collection System Comprised of Sixteen Gas Vents

The Wastewater Treatment Facility Comprised of:

Five Wastewater Storage and Treatment Tanks
One Oil-Fired Boiler

The Waste Solidification Facility Comprised of:

Waste Solidification Building Controlled by Two Dust Collectors
Two Reagent Storage Silos Controlled by Filters
The Fuel Oil Firing Boiler

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit shall expire 180 days after the Illinois EPA sends a written request for the renewal of this permit.
- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.
2. This permit is issue based upon landfill not being subject to 35 Ill. Adm. Code, Part 220, as ceasing acceptance of municipal solid waste before November 7, 1988, pursuant to applicability criteria of Section 220.200(a).

3. Processing waste water at this facility is limited to those containing only oils as floating organic materials. Each waste water shipment is to be sampled for organic content.
4. This permit is issued based on negligible emissions of volatile organic materials from the leachate collection system. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
5. The non-methane organic compounds (NMOC) emissions from the landfill gas collection system shall not exceed 6.4 tons per year. It shall be calculated annually using equation given by 35 Ill. Adm. Code 35, Section 220.260(a)(1)(B).
6. The emissions of volatile organic materials (VOM) from the waste water treatment facility shall not exceed 3.0 tons/month and 28.3 tons/year. The following equation shall be used for emission calculation:

$$E = WF_{in} \times C_{in} - WF_{out} \times C_{out} - SW$$

Where:

E - VOM emissions (tons/mo, tons/yr)

WF_{in} - Influent waste water flow rate (tons/mo, tons/yr)

C_{in} - Influent water organics content (fraction)

WF_{out} -Effluent waste water flow rate (tons/mo, tons/yr)

C_{out} -Effluent water organics content (fraction)

SW -Amount of organic materials disposed as solid waste (tons/mo, tons/yr)

These limits are based on the maximum waste water processing rate of 1,750,000 gal/mo and 21,000,000 gal/yr, maximum oil content in the influent water 0.075% and, at least, 50% oil removal rate. Compliance with annual limits shall be determined from a running total of 12 months of data.

7. The emissions from the waste solidification building shall not exceed 0.9 lb/hr and 3.9 tons/yr of volatile organic materials (VOM) and 7.7 lb/hr and 33.8 tons/yr of particulate matter (PM). These limits are based on the maximum solid waste processing rate and stack test data. Compliance with annual limits shall be determined from a running total of 12 months of data.
8. This permit is issued based on negligible emission of particulate matter from the two reagent storage silos. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.

9. Operation and emissions of the boiler shall not exceed the following limits:

Fuel Oil #2 Usage: 20,000 gal/mo, 60,000 gal/yr

<u>Pollutant</u>	<u>Emission Factor (Lb/10³ gal)</u>	<u>Emissions</u>	
		<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Nitrogen Oxides (NO _x)	20	0.2	0.6
Sulfur Dioxide (SO ₂)	42.6	0.4	1.3

At the above location, the Permittee shall not utilize in the boilers a distillate fuel oil (Grades No.1 and 2) with a sulfur content greater than the 0.3 weight percent pursuant to requirements of 35 Ill. Adm. Code 214.122(b)(2).

These limits are based on the maximum boiler operations and standard emission factors given by AP-42. Compliance with annual limits shall be determined on a monthly basis from a running total of 12 months of data.

10. The Permittee shall maintain monthly records of the following items:
- a. Leachate collection rate (gal/mo, gal/yr) and the most recent data on the leachate composition.
 - b. Waste water process rate (gal/mo, gal/yr).
 - c. Certified oil content of influent waste water and certified organic content of effluent water from the waste water treatment operations.
 - d. Solid waste process rate in the waste solidification building.
 - e. Fuel oil usage rate (gal/mo, gal/yr).
11. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to the Illinois EPA request for records during the course of a source inspection.
12. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

13. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Illinois EPA
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Illinois EPA
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

14. Persons with lifetime operating permit must obtain a revised permit to any of the following changes at the source:

- a. An increase in emissions above the amount the emission unit or the source is permitted to emit;
- b. A modification;
- c. A change in operation that will result in the source's noncompliance with a condition in the existing permit;
- d. A change in ownership, company name, or address, so that the application or existing permit is no longer accurate.

If you have any questions on this permit, please contact Valeriy Brodsky at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:VJB:jar

cc: Region 2