

217/782-2113

REVISED  
LIFETIME OPERATING PERMIT

PERMITTEE

Westlake Hospital  
Attn: Richard Lavacchi, V.P.  
1225 Lake Street  
Melrose Park, Illinois 60160

Application No.: 82060087 I.D. No.: 031186AFW  
Applicant's Designation: Date Received: March 13, 2000  
Subject: Boilers, Generators and Sterilizer  
Date Issued: October 17, 2000 Expiration Date: See Condition 1.  
Location: 1225 Lake Street, Melrose Park

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

Six Natural Gas Boilers (Three with #2 Fuel Oil Backup)  
Two Diesel Generators  
Ethylene Oxide Sterilizer

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- b. This permit shall terminate if it is withdrawn or is superseded by a revised permit.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. Emissions and operation shall not exceed the following:

a. Boilers

<u>Fuel</u>	<u>Annual Usage</u>	<u>Emissions (Tons/Year)</u>				
		<u>PM</u>	<u>SO<sub>2</sub></u>	<u>NO<sub>x</sub></u>	<u>CO</u>	<u>VOM</u>
Natural Gas	120 million scf	0.11	0.04	6.00	5.04	0.33
# 2 Fuel Oil	100 thousand gals	0.10	2.13	1.00	0.25	0.01

b. Diesel Generators

<u>Fuel</u>	<u>Annual Usage</u>	<u>Emissions (Tons/Year)</u>				
		<u>PM</u>	<u>SO<sub>2</sub></u>	<u>NO<sub>x</sub></u>	<u>CO</u>	<u>VOM</u>
#2 Fuel Oil	8,450 gals	0.06	0.17	1.89	0.50	0.05

c. Ethylene Oxide Sterilizer

<u>Sterilizer (Cycles/Year)</u>	<u>Usage Ethylene Oxide (Tons/Year)</u>	<u>Emissions</u>	
		<u>VOM (Tons/Year)</u>	<u>HAP (Tons/Year)</u>
1,000	0.1814	0.1814	0.1814

Compliance with the above annual limits shall be determined monthly from the required records and standard emission factors using the last 12 months of data.

d. At the above location, the Permittee shall not keep, store, or utilize distillate fuel oil (Grades 1 and 2) with a sulfur content greater than the larger of the following values:

i. 0.28 weight percent, or

ii. The wt. percent given by the formula:

(Maximum Wt. Percent Sulfur = 0.000015) x (Gross Heating Value of Oil, Btu/lb).

3. The Permittee shall maintain monthly records of the following items:

a. The amount of natural gas used in the boilers;

b. The amount of fuel oil used in the boilers;

c. The amount of fuel oil used in the diesel generators; and

d. The amount of ethylene oxide used in the sterilizer and the number of cycles completed.

4. 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 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 an Illinois EPA request for records during the course of a source inspection.

5. 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.

6. 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 Agency  
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 Agency  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

7. Persons with lifetime operating permits must obtain a revised permit for 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 operations that will result in the source's noncompliance with conditions in the existing permit; or
  - d. A change in ownership, company name, or address, so that the application or existing permit is no longer accurate.

It should be noted that the three fuel oil storage tanks are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(n)(3).

It should be noted that during the review of this application it was determined that your source's potential to emit nitrogen oxides (NO<sub>x</sub>) is less than the major source triggering level of 100 tons per year. Therefore, a federally enforceable permit is not required for your source.

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

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

DES:JDC:psj

cc: Region 1