

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT
RENEWAL

PERMITTEE

Shapiro Developmental Center
Attn: Iva Collins
100 East Jeffery Street
Kankakee, Illinois 60901

Application No.: 74060029 I.D. No.: 091055AAP
Applicant's Designation: POWERHOUSE Date Received: June 16, 2000
Subject: Natural Gas-Fired Boilers
Date Issued: November 17, 2000 Expiration Date: November 17, 2005
Location: 100 East Jeffery Street, Kankakee

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of three natural gas fired boilers as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s)

- 1a. This federally enforceable state operating permit is issued to limit the emissions of nitrogen oxide (NO_x) from the boilers to less than major source thresholds, as further described in Attachment A. As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes the current permit issued for this location.
- 2a. Operation of the boilers shall not exceed the following limits:
 - i. Natural Gas Consumption: 5,000,000 therms/year.
 - b. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- 3a. Natural gas shall be the only fuel for the boilers.
 - b. The Permittee shall notify the Illinois EPA prior to any change in the type of fuel used at the source.
- 4a. The Permittee shall maintain an operating log for the boilers control system, including dates and times of usage, malfunctions (type, date, and measures taken to correct).

- b. The Permittee shall maintain records of the following items:
 - i. Fuel Type and Consumption: therms/month and therms/year or mmscf/month and mmscf/year.
 - ii. Firing Rate of Each Boiler: mmBtu/hour.

- c. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.
- d. These records shall be retained at a readily accessible location at the plant for 3 years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and the USEPA upon request.
5. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
6. 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 an Illinois EPA or USEPA request for records during the course of a source inspection.
7. 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.
8. 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

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9. The Permittee shall submit the following additional information from the prior calendar year along with the Annual Emissions Report, due May 1st of each year. This report shall include as a minimum: fuel type and annual fuel consumption, total hours of operation, and total nitrogen oxide (NO_x) emissions from the prior calendar year. If there have been no exceedances during the prior calendar year, the Annual Emissions Report shall include a statement to that effect.

If you have any questions on this, please call Don Hanko at 217/782-2113.

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

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cc: IEPA, FOS Region 1
IEPA, FOS - CMU
USEPA

Attachment A - Emissions Summary

1a. Emissions and operation of equipment shall not exceed the following:

<u>Equipment</u>	<u>Max. Natural Gas Consumption Therms/Yr</u>	<u>Type of Pollutants</u>	<u>EE (AP-42) (Lb/mmscf)</u>	<u>Particulate Matter Emissions Ton/Yr</u>
3 - Boilers	Combined,	NO _x	280	70.0
(2 - 35,000 lb/hr	5,000,000	SO ₂	0.6	0.15
and 1 - 75,000 lb/hr)	(500 mmscf/year)	CO	8.4	21.0
		PM	7.6	1.9
		VOC	5.5	1.38

These limits are based on Standard AP-42 emission factors for boilers and the information provided in the permit application. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

b. Particulate Matter Fugitive Emissions

Includes emissions from paved and unpaved site road traffic: 10.0 tons/year.

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