

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Triton College
Attn: Joe Tidei
2000 - 5th Avenue
River Grove, Illinois 60171

Application No.: 00060093

I.D. No.: 031264ABA

Applicant's Designation:

Date Received: December 19, 2005

Subject: Power Production for College Campus

Date Issued:

Expiration Date:

Location: 2000 - 5th Avenue, River Grove

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of 4 natural gas boilers and 4 natural gas engines (emergency generators) pursuant to 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:
 - i. To limit the emissions of air pollutants from the source to less than major source thresholds (i.e., NO_x less than 100 tons/year, CO less than 100 tons/year and VOM less than 100 tons/year). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
 - ii. To limit VOM to less than 25 tons/year. Therefore the source is not subject to 35 Ill. Adm. Code Part 205 Emission Reduction Market System (ERMS).
 - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
 - c. This permit supersedes all operating permits issued for this location.
2. Emissions and operation of 4 natural gas engines (emergency generators) shall not exceed the following limits:

Aggregate Rating x Operating Hours
(Kilowatt - Hour/Year)

13,472,550*

E M I S S I O N S									
NO _x		CO		VOM		PM ₁₀		SO ₂	
(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)
13.46	29.68	10.09	22.25	10.77	23.75	2.95	6.50	2.42	5.34

* Rolling total, calculated monthly

These limits are based on the combined maximum power rating of 3,055 KW, the maximum requested operating hours of 4,410 hour/year and emission factors from manufacturing testing. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. Emissions and operation of 4 natural gas boilers shall not exceed the following limits:

Aggregate Firing Rate (mmBtu/Hour)	Natural Gas Consumption (MMscf/Year)
36.22	155.22

E M I S S I O N S									
NO _x		CO		VOM		PM ₁₀		SO ₂	
(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)	(Lb/Hr)	(T/Yr)
3.62	7.77	3.04	6.52	0.20	0.43	0.28	0.59	0.02	0.05

These limits are based on the combined firing rate (hourly limits), the natural gas consumption (annual limits) and standard emission factors (AP-42). Compliance with annual limits shall be determined from a running total of 12 months of data.

4. Only natural gas shall be used as a fuel in the generators and boilers.
5. The Permittee shall maintain monthly records of the following items:
 - a. Kilowatt - Hours (KW x hours/month and KW x hours/year);
 - b. Natural gas consumption in the boilers (MMscf/month and MMscf/year); and
 - c. Monthly and annual emissions of NO_x, CO, PM₁₀ and SO₂ with supporting calculations (tons/month and tons/year).
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

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

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

DES:DLB:psj

cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the college operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, (i.e. NO_x less than 100 tons/year, CO less than 100 tons/year and VOM less than 25 tons/year), at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, less fuel is used and control measures are more effective than required in this permit.

<u>Emissions Units</u>	<u>Emissions (Tons/Year)</u>				
	<u>NO_x</u>	<u>CO</u>	<u>VOM</u>	<u>PM₁₀</u>	<u>SO₂</u>
4 Natural Gas Engines	29.68	22.25	23.75	6.50	5.34
4 Natural Gas Boilers	<u>7.77</u>	<u>6.52</u>	<u>0.43</u>	<u>0.59</u>	<u>0.05</u>
Total	<u>37.45</u>	<u>28.77</u>	<u>24.18</u>	<u>7.09</u>	<u>5.39</u>

DLB:psj