

<u>Material</u>	<u>(mmscf/Mo)(mmscf/Yr)</u>		<u>Pollutant</u>	<u>(Lb/mmscf)</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	54.1	436.2	NO _x	326.4	8.8	71.2
			CO	83.6	2.3	18.3
			TSP	6.7	0.2	1.5
			SO ₂	3.1	0.1	0.7
			VOM	2.0	0.1	0.5

Emissions and operation of the two stationary generators shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	0.91	9.1	NO _x	3,233.4	1.5	14.7
			CO	393.7	0.2	1.8
			TSP	39.2	0.02	0.2
			VOM	122.4	0.06	0.6

Emissions and operation of the boilers, furnaces, and heaters shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	2.75	27.5	NO _x	100	0.14	1.4
			CO	84	0.12	1.2
			TSP	7.6	0.01	0.1
			VOM	5.5	0.01	0.1

These limits define the actual emissions of NO_x, CO, TSP, SO₂, and VOM and are based on maximum material usage and standard emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. Natural gas shall be the only fuel combusted in the above listed sources. Use of any other fuel requires a permit change.
4. In the event that the operation of this emission unit results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
5. The Permittee shall maintain records of the following items:
 - a. Natural gas usage for the nine stationary turbines, the two stationary generators, and the boilers, furnaces, and heaters (mmscf/mo and mmscf/yr);
 - b. Emissions of NO_x from all fuel combustion sources (ton/mo and ton/yr);
 - c. Maximum rated capacities of each internal combustion engine and each fuel combustion source; and
 - d. Dimensions and analysis showing capacity of the methanol storage tank.
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, except for part (a)(iii) of this condition and Condition 2 which shall be retained for the life of the source, and

shall be made available for inspection and copying by the Illinois EPA and 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 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 Unit 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 exceedances 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

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: natural gas usage for the stationary gas turbines, two stationary generators, and all boilers, heaters, and furnaces. If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

It should be noted that the fuel oil storage tanks, waste oil storage tanks, condensate storage tanks, welding operations, and cold cleaning degreasers are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(n), (v), and (y), respectively.

If you have any questions on this permit, please call Tara T. Nguyen-Ede 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, Compliance Unit
Lotus Notes

Attachment A

This attachment provides a summary of the maximum emission from this facility 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 facility. This is using 436.2 million cubic feet of natural gas for the compression of natural gas, 9.1 million cubic feet of natural gas for the generation of electricity and 27.5 million cubic feet of natural gas for fuel for all fuel combustion sources. The resulting maximum emissions are below the levels, i.e., 100 tons per year of NO_x 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 all equipment will not be operated all the time at the same time and at maximum levels.

1a. Emissions and operation of the nine stationary turbines shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	54.1	436.2	NO _x	326.4	8.8	71.2
			CO	83.6	2.3	18.3
			TSP	6.7	0.2	1.5
			SO ₂	3.1	0.1	0.7
			VOM	2.0	0.1	0.5

Emissions and operation of the two stationary generators shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	0.91	9.1	NO _x	3,233.4	1.5	14.7
			CO	393.7	0.2	1.8
			TSP	39.2	0.02	0.2
			VOM	122.4	0.06	0.6

Emissions and operation of the boilers, furnaces, and heaters shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>Factor</u>	<u>(Ton/Mo)</u>	<u>(Ton/Yr)</u>
Natural Gas	2.75	27.5	NO _x	100	0.14	1.4
			CO	84	0.12	1.2
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			VOM	5.5	0.01	0.1

These limits define the actual emissions of NO_x, CO, TSP, SO₂, and VOM

and are based on maximum material usage and standard emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. Natural gas shall be the only fuel combusted in the above listed sources. Use of any other fuel requires a permit change.

2. This permit is issued based on negligible emissions of VOM from the methanol and odorant storage tanks. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.
3. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.

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