



from the sum of the data from the previous month plus the preceding 11 months (i.e., a 12 month running total).

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

i. Fuel usage for each generator (gal/mo and gal/yr)

- ii. Emissions of NO<sub>x</sub> for each generator (ton/mo and ton/yr)
  - iii. Fuel analysis sheets indicating sulfur content and Btu value for each shipment of fuel.
- b. 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 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.
4. 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 exceedances or violation and efforts to reduce emissions and future occurrences.
5. 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

6. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Fuel usage for each generator. If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.
7. At the above location, the Permittee shall not keep, store, or utilize:

- a. Distillate fuel oil (Grades No. 1 and 2) with a sulfur content greater than the larger of the following two values:
  - i. 0.28 weight percent, or
  - ii. The wt. percent given by the formula: Maximum wt. percent sulfur =  $(0.000015) \times (\text{Gross heating value of oil, Btu/lb})$ .

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8. Organic liquid by-products or waste materials shall not be used in these fuel combustion emission sources without written approval from this Illinois EPA.
9. The Illinois EPA shall be allowed to sample all fuels stored at the above location.

If you have any questions on this permit, please call Mohamed Anane at 217/785-5151.

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

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cc: IEPA, FOS Region 1  
IEPA, Compliance Section  
USEPA

Attachment A

This attachment provides a summary of the maximum emission from the diesel generators 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. This is handling 123,680 gallons of fuel oil No. 2. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of NO<sub>x</sub> 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 material is handled, and control measures are more effective than required in this permit.

1. Emissions from the three diesel generators:

<u>Pollutant</u>	<u>Emission Rate (Lb/mmBtu)</u>	<u>Fuel Usage (Gal/Yr)</u>	<u>Emissions (Ton/Yr)</u>
NO <sub>x</sub>	3.1000	123,176	26.5
CO	0.8100	123,176	7.0
SO <sub>2</sub>	0.2000	123,176	1.8
VOM	0.1000	123,176	0.9
PM	0.0763	123,176	0.7

These limits are based on maximum values and AP-42 emission factors for internal combustion units and conversion factor of 140,000 Btu per gallon of fuel oil No. 2.

2. Emissions of volatile organic material (VOM) from all gasoline and fuel oil storage tanks combined shall not exceed 1.0 ton per year. This limit is based on standard AP-42 emission factors for breathing and working losses.

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