

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Qwest Communications Corporation
Attn: Mr. Gerard Breen
301 West 65th Street
Richfield, Minnesota 55423

Application No.: 01070009
Applicant's Designation:
Subject: Back-Up Generators
Date Issued:
Location: 350 East Cermak, Chicago, 60616-1428

I.D. No.: 031600GKH
Date Received: July 2, 2001
Expiration Date:

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of ten 2,922 horsepower, diesel fuel oil #2-fired, back-up generators and two diesel fuel storage tanks (10,000 and 15,000 gallons) 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 to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., nitrogen oxides (NO_x) less than 100 tons per 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.
- 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.
- 2a. Emissions and operation of the 10 generators shall not exceed the following limits:

<u>Operating Hours Per Generator</u>		<u>Sulfur Content</u>
<u>(Hr/Mo)</u>	<u>(Hr/Yr)</u>	<u>(% By Weight)</u>
420	420	0.20

<u>Pollutant</u>	<u>Emission Factor</u>	<u>Emissions</u>	
	<u>(Lb/Hp-Hr)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Nitrogen Oxides (NO _x)	0.0154	94.5	94.5
Particulate Matter (PM)	0.0002	1.3	1.3
Sulfur Dioxide (SO ₂)	0.0013	8.0	8.0
Volatile Organic Material (VOM)	0.0007	4.3	4.3
Carbon Monoxide (CO)	0.0009	5.6	5.6
	Totals:	113.7	113.7

These limits are based on maximum horsepower (2,922 Hp), maximum operating hours, maximum sulfur content, and generator manufacturer's emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

- b. This permit is issued based on negligible emissions of VOM from the two diesel fuel storage tanks. For this purpose emissions from each emission source shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
3. The Permittee shall maintain monthly records of the following items:
 - a. Operating hours of each generator (hour/month and hour/year).
 - b. Fuel sulfur content (% weight).
 - c. Emissions (tons/month and tons/year).
4. This permit is issued based on the condition that SO₂ emissions do not exceed 0.3 lb/mmBtu, pursuant to 35 Ill. Adm. Code Sections 214.304 and 214.122.
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

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: Actual emissions of each criteria pollutant (tons/mo and tons/yr).

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

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

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cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the communications center 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 plant. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of nitrogen oxides 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 hours of operation of the generators are required, lower sulfur content fuel oil #2 is used, and control measures are more effective than required in this permit.

- 1a. Emissions and operation of the 10 generators shall not exceed the following limits:

<u>Operating Hours Per Generator</u> (Hr/Mo) (Hr/Yr)		<u>Sulfur Content</u> (% By Weight)
420 420		0.20

<u>Pollutant</u>	<u>Emission Factor</u> (Lb/Hp-Hr)	<u>Emissions</u> (Tons/Mo)	<u>(Tons/Yr)</u>
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PROJECT SUMMARY

I. INTRODUCTION

An application has been voluntarily submitted by Qwest Communications Corporation for a Federally Enforceable State Operating Permit (FESOP) for their telecommunication services facility located at 350 Cermak Road in Chicago. The federally enforceable limits of this proposed permit prevent the facility from being a major source of emissions so that an operating permit does not have to be obtained under the Clean Air Act Permit Program. These proposed limits are accompanied by record keeping and reporting requirements to ensure the plant is operated as a non-major source. These conditions would be enforceable by both the State of Illinois and the United States Environmental Protection Agency.

II. SOURCE DESCRIPTION

The Chicago Qwest Communications Center provides telecommunication services to a number of companies. This application requests the permitting of ten emergency back-up power generators, each rated at 2922 BHP under full load. Each generator consumes between 44 and 132 gallons of No. 2 diesel fuel per hour, depending on the load applied.

Diesel fuel is supplied from two recently installed underground storage tanks with rated capacities of 10,000 and 15,000 gallons. Testing of all ten generators is performed each week for 1.9 hours. These emergency back-up generators are needed to provide uninterrupted communication services 24 hours per day, 365 days per year.

III. EMISSIONS

The principal air contaminants of concern at this facility are nitrogen oxides (NO_x) generated by the consumption of diesel fuel. Small amounts of sulfur dioxide (SO₂), carbon monoxide (CO) and volatile organic materials (VOM) are also generated by this fuel combustion. The proposed permit limits NO_x emissions to less than 100 tons per year, thereby exempting the facility from the requirements of the Clean Air Act Permit Program.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the emission standards of the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. This site readily complies with all applicable Board standards.

V. PROPOSED PERMIT

The conditions of the proposed permit contain limitations and requirements to ensure the plant will be operated as non-major source. The permit sets limitations on the amount of emissions per year based on a twelve month rolling average. These limitations are consistent with the historical operation and capacity of this facility.

The permit conditions also establish appropriate compliance procedures, including inspection practices, record keeping requirements, and reporting requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the telecommunications facility is operating within the limitations set by the permit and is properly controlling emissions.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this label plant meets all applicable state and federal air pollution control requirements, subject to the conditions proposed in the draft permit. The Illinois EPA is therefore proposing to issue the FESOP for this operation.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. Comments, questions, and information requests must be postmarked by [TBD by Brad] and should be directed to Brad Frost at the Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276: phone (217)782-2113. If substantial public concern is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.