

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Fox Metro Water Reclamation District for Renewal of the
Federally Enforceable State Operating Permit (FESOP) for
682 Route 31
Oswego, Illinois

Site Identification No.: 093015AAE
Application No.: 96080085

Schedule

Public Comment Period Begins: March 6, 2008
Public Comment Period Closes: April 5, 2008

Illinois EPA Contacts

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I. INTRODUCTION

Fox Metro Water Reclamation District has applied for renewal of its Federally Enforceable State Operating Permit (FESOP) for its Oswego location. This facility requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the renewed permit that it would propose to issue for the facility. However, before renewing the permit, the Illinois EPA is holding a public comment period to receive comments on this proposed action and the terms and conditions of the draft permit that it would propose to issue.

II. SOURCE DESCRIPTION

Fox Metro Water Reclamation District collects wastewater, where it is screened and transferred to clarifiers, aeration tanks and digesters for treatment before exiting to Fox River. The emission sources include 14 gas-fired boilers, 57 heaters, 2 flares, and 2 standby emergency generators. These units are sources of emissions because fuel combustion of mainly of natural gas and digester gas. These emissions include Nitrogen Oxides, Carbon Monoxide, and Sulfur Dioxide.

III. GENERAL DISCUSSION

Federally Enforceable State Operating Permits (FESOPs) are federally enforceable, that is, the terms and conditions of the permits can be enforced by USEPA under federal law, as well as by Illinois government and the public under state law. These permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has been operating this facility under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the federal Clean Air Act. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source. The permit acts to restrict the plant potential emissions so that it need not be considered a major source. As a result, the source does not need not obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for Nitrogen Oxides, Carbon Monoxide, and Sulfur Dioxide.

IV. APPLICABLE EMISSION STANDARDS

All emission units in Illinois must comply with state emission standards adopted by the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. Illinois regulations, and Federal regulations cover boilers. The application shows that the facility is in compliance with applicable state and federal emission standards.

V. CONTENTS OF THE PERMIT

The renewed permit that the Illinois EPA is proposing to issue would continue to identify the specific emission standards that apply to the emission units at the facility. As explained, the boilers are subject to 40 CFR 60Dc which requires good operation and maintenance practices, and recordkeeping. 35 Ill. Adm. Code 212.123 also limits smoke or other particulate matter to no greater than 30 percent opacity. The conditions of this permit are intended to ensure that the source continues to comply with applicable emission standards.

The permit would also contain limitations and requirements to assure that this plant is operated as a non-major source. The permit would limit the operation and annual emissions of the facility to below the major-source-thresholds of 100 tons for Nitrogen Oxides, Carbon Monoxide, and Sulfur Dioxide.

The permit conditions would also continue to require appropriate compliance procedures, including inspection practices as well as recordkeeping and reporting requirements. The source must carry out these procedures on an on-going basis to demonstrate that the plant is being operated within the limitations set by the permit and the plant's emissions are being properly controlled.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that the source has met the requirements for renewal of its permit. The Illinois EPA is therefore proposing to renew the permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 IAC Part 166.