

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary
Federally Enforceable State Operating Permit (FESOP) Renewal
Muller Company
1226 East Garfield Avenue, Decatur

Site Identification No.: 115015AGL
Application No.: 04070077

Schedule

Public Comment Period Begins: October 30, 2013
Public Comment Period Closes: November 29, 2013

Illinois EPA Contacts

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I. INTRODUCTION

Muller Company has applied for a Federally Enforceable State Operating Permit (FESOP) Renewal for the following equipment: fiberglass mold making operation, three natural gas-fired core ovens, ten electric induction furnaces with dust collectors, casting operations (consisting of pouring/casting, casting cooling, and shakeout areas), two sand silos with dust collector, one bond silo with dust collector, core sand Muller operations and oil, shell, and hot box machines, one natural gas-fired boiler, and natural gas comfort heaters at their facility located at 1226 East Garfield Avenue, Decatur, Macon County. This facility requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft permit that it would propose to issue for the facility. However, before issuing 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

Muller Company own and operates a brass foundry for the manufacturing of brass, machines, valve, hydrant, hydro-guard products.

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.

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

The FESOP limits the operation and annual emissions of the facility to below the major-source-thresholds of 100 tons for PM₁₀, VOM, and 10 tons for an individual HAP and 25 tons for combined HAPs.

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. The board has standards for sources of Nitrogen oxides (NO_x), Volatile Organic Material, Particulate Matter (PM₁₀), and Carbon Monoxide (CO) emission. 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 specific emission standards that apply to the emission units at the facility. 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 facility 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 VOM, 10 tons for an individual HAP (Pb & styrene) and 25 tons for combined HAPs. (Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.)

The permit would also set limitations on material throughput, the minimum control efficiency, hours of operation, and natural gas usage at this facility. These limitations are consistent with the historical operation of emission units at the facility.

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 facility is being operated within the limitations set by the permit and the facility'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.