

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
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Project Summary for an Application from
Henri Studio, Inc. for a
Federally Enforceable State Operating Permit (FESOP) for
Wauconda, Illinois

Site Identification No.: 097185AAL
Application No.: 05110005

Illinois EPA Contacts

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PROJECT SUMMARY

I. INTRODUCTION

Henri Studio, Inc. was operating under a Clean Air Act Permit Program (CAAPP) permit as a major source of volatile organic materials (VOM) generated by its concrete and resin statue manufacturing operations. The major source threshold level for VOM in the Chicago non-attainment area became 100 tons per year in 2005. Previously, the major source threshold level for VOM was 25 tons per year.

As a result of this change the CAAPP permit is no longer required and the company applied for a Federally Enforceable State Operation Permit (FESOP).

II. SOURCE DESCRIPTION

Henri Studio, Inc. manufactures concrete and resin statues. These statues are the type seen in many residential yards. Emission units at this facility include coating operations, resin molding, resin casting, cement silos and concrete mixers.

III. EMISSIONS

The principal air contaminant emitted from the facility is volatile organic material, generated during coating application and clean-up operations. The natural gas combustion generates predominantly nitrogen oxides (NO_x) and carbon monoxide (CO). Styrene is emitted from the resin molding and casting operations.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. Standards for VOM emissions for coating concrete and resin statue operations are found in 35 Ill. Adm. Code Part 218, Subpart TT. This site readily complies with all applicable Board and federal standards.

V. PROPOSED PERMIT

The conditions of the proposed permit contain limitations and requirements to assure that this facility will be operated as a non-major source. The permit sets limitations on resin

usage, concrete usage and natural gas usage. These limitations are consistent with the historical operation and capacity of the facility.

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

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