

Project Summary – American Steel Foundries

I. Introduction

An application has been voluntarily submitted by American Steel Foundries in order to voluntarily incorporate federally enforceable limits for Pep Set Coremaking at their facility in Granite City, Illinois. The proposed limits would be accompanied by recordkeeping and reporting requirements to ensure that the facility is operated properly. These conditions would be enforceable by both the State of Illinois and the U.S. Environmental Protection Agency.

II. Source Description

American Steel Foundries operates a steel foundry. Their emission source consists of a pep set, which makes cores out of sand and resin.

III. Emissions

The primary air contaminant emitted from the facility is volatile organic material(VOM) which is released from the volatilization from the resin. The emissions of VOM are 39.5 tons per year, which constitutes a major increase. The secondary air contaminant emitted from the facility is the Hazardous Air Pollutant (HAP) Napthalene, a VOM from the process. The emissions from the HAP are well below 10 tons per year limit.

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. The Board has standards for sources of NO_x, SO₂, CO, VOM, and PM. This site readily complies with all applicable Board standards.

V. Proposed Permit

The conditions of the proposed permit contain limitations and requirements to ensure that this facility will be operated within the limitations of the rules. The permit sets limitations on the amount of resins used in the process. These limits are consistent with the historical operation and capacity of the facility.

The permit conditions also establish appropriate compliance procedures, including recordkeeping 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.

VI. Request for Comments

It is the Illinois EPA's preliminary determination that the facility 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 a permit with federally enforceable limits for this operation.

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 Ill. Adm. Code Part 164.

RH:rh