

I. INTRODUCTION

This source has applied for a Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. The conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

Glen-Gery Corporation (Glen-Gery) owns and operates a brick manufacturing plant in the city of Marseilles, Manlius Township, in LaSalle County. This plant produces a variety of brick products in both residential and commercial sizes and with a full range of product colors, from traditional red brick to gray/white buff colored brick. The two primary raw materials used in making the brick products are shale and fireclay. The facility receives both of these materials from nearby mining operations and uses a crushing/screening/grinding operation to reduce them to the fine size needed for forming the green (unfired) brick. The ground shale and fireclay are mixed in different proportions to obtain the different colored brick products. Higher percentages of shale produce traditional red brick, while higher percentages of fireclay produce buff colored brick. Small amounts of other ingredients, including lime, are also added to the raw material mix along with water, and the brick is formed through an extrusion process. The extruded green brick is cut to size and loaded onto kiln cars prior to drying and firing.

The Marseilles operation uses tunnel dryers and tunnel kilns to produce the final products. The cars carrying green brick continually move on tracks through the dryers and kilns. Natural gas is the only fuel used to fire the kilns and dryers.

II. EMISSION UNITS

Significant emission units at this source are as follows:

| Emission Unit | Description | Emission Control Equipment |
|---------------|--------------------------|-----------------------------|
| 01 | Process Emission Sources | Baghouses |
| 02 | Gasoline Storage Tank | Submerged Loading Pipe |
| 03 | Fugitive Emissions | Best Available Dust Control |

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions.

For purposes of fees, the source is allowed the following emissions:

Permitted Emissions of Regulated Pollutants

| Pollutant | Tons/Year |
|------------------------------------|-----------|
| Volatile Organic Material (VOM) | 16.7 |
| Sulfur Dioxide (SO ₂) | 240.2 |
| Particulate Matter (PM) | 101.4 |
| Nitrogen Oxides (NO _x) | 51.1 |
| HAP, not included in VOM or PM | 37.6 |
| Total | 447.0 |

This permit is a combined Title I/CAAPP permit that may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the Clean Air Act and regulations promulgated thereunder, including 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within the permit by T1, T1R, or T1N. The source has requested that the Illinois EPA establish or revise such conditions in a Title I permit, consistent with the information provided in the CAAPP application. Any conditions established in a construction permit pursuant to Title I and not revised or deleted in this permit, remain in effect pursuant to Title I provisions until such time that the Illinois EPA revises or deletes them.

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.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

CAAPP

A CAAPP permit contains all conditions that apply to a source and a listing of the applicable state and federal air pollution control regulations that are the origin of the conditions. The permit also contains emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis.

Title I

A combined Title I/CAAPP permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I provisions, e.g., 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Notwithstanding the expiration date on the first

page of the permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft 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 Ill. Adm. Code Part 166.

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