

Project Summary

I. INTRODUCTION

This source has applied for a renewal 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.

RayVac Plastic Decorators, Inc. is located at 47 W 171 Route 30 in Big Rock. The source performs decorative coating of plastic parts, such as toys, plastic model kits, reflectors, drapery hardware, and other miscellaneous parts. The decorative coating process includes the utilization of vacuum metalizers to apply a metallic finish to plastic parts, and the use of flowcoaters and spray equipment to apply basecoats/topcoats before or after the vacuum metalizing operation.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
FC1	Flow Coater 1	After April 14, 1972	None
FB1	Precision Quincy Corp. Natural Gas Fired Oven (Flow Coat Bake Oven 1)	After April 14, 1972	None
PB1	Pache Paint Spray Booth (Paint Spray Booth #1)	1971	Paint Booth Filter (PBF1)
PB2	Pache Paint Spray Booth (Paint Spray Booth #2)	1971	Paint Booth Filter (PBF2)
PB4	Pache Paint Spray Booth (Paint Spray Booth #4)	1971	Paint Booth Filter (PBF4)
PB5	Pache Paint Spray Booth (Paint Spray Booth #5)	1971	Paint Booth Filter (PBF5)
BO1	Burdett Natural Gas Fired Oven (Batch Oven #1)	1971	None
BO2	Precision Quincy Corp. Natural Gas Fired Oven (Batch Oven #2)	1971	None
Fugitive	VOM Emissions Associated with the	---	None

VOM Emissions	Use of Cleanup Solvent in the Coating Department		
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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
Nitrogen Oxides (NO _x)	0.70
Particulate Matter (PM)	2.61
Sulfur Dioxide (SO ₂)	0.01
Volatile Organic Material (VOM)	84.66
HAP, not included in VOM or PM	4.50
Total	92.48

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.

Because this source is located in the Chicago ozone non-attainment area and emits volatile organic material (VOM), the permit includes conditions to implement the Emissions Reduction Market System (ERMS). The ERMS is a market-based program designed to reduce VOM emissions from stationary sources to contribute to reasonable further progress toward attainment, as further described in Section 6.0 of the permit. The permit contains the Illinois EPA's determination of the source's baseline emissions and allotment of trading units under the ERMS, and identifies units not subject to further reductions.

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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