

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Chancey Metal Products, Inc.
5130 Sunbeam Road
Jacksonville, FL 32257

Permit No. 0310341-005-AC
County: Duval

B. PROJECT

The applicant, Chancey Metal Products, Inc., applied on August 2, 2004, to the Department for a modification permit for an existing metal fabrication facility located at 5130 Sunbeam Road, Jacksonville, FL 32257. The facility includes a paint spray booth, a powder coating booth, and a powder coating curing oven. Particulate Matter (PM) is removed from exhausted air with a dry filter prior to discharge to the atmosphere.

The facility proposes to increase the usage of materials containing Volatile Organic Compounds and Hazardous Air Pollutants.

II. RULE APPLICABILITY

The facility is located in an area designated as unclassifiable for the air pollutant particulate matter less than or equal to ten (10) micrometers in aerodynamic diameter, in an air quality maintenance area for the air pollutant ozone, and in the area of influence of an air quality maintenance area for the air pollutant particulate matter (PM). The area is classified as attainment for all other criteria pollutants pursuant to Rule 62-204, Florida Administrative Code (FAC), and Rule 2.201, Jacksonville Environmental Protection Board (JEPB).

The facility is a Title V source of air pollution because the potential emissions of Hazardous Air Pollutants (HAP) are equal to or greater than 10 tons per year for a single HAP in accordance with Rule 62-210, FAC, and JEPB Rule 2.301.

The facility is a major source of air pollution because the potential emissions of regulated air pollutants are greater than 100 tons per year pursuant to Chapter 62-210, FAC, and JEPB Rule 2.301.

The project shall be subject to the provisions of 40 CFR 63, Subpart M – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, and 40 CFR 63, Subpart A – General Provisions (as described in Appendix B to Subpart M of Part 63 – General Provisions of Applicability to Subpart M).

III. TECHNICAL EVALUATION

Emission Unit 001 - Paint Spray Booth

Coatings (as applied) shall not exceed 150 gallons per day and 54,750 gallons per calendar year.

This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.

Chancey Metal Products, Inc. shall comply with the provisions of 40 CFR 63, Subpart M – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, and 40 CFR 63, Subpart A – General Provisions (as described in Appendix B to Subpart M of Part 63 – General Provisions of Applicability to Subpart M).

Coatings (as applied) shall not exceed a maximum of 3.5 pounds of volatile organic compounds (VOC) per gallon of coating, excluding water.

The paint spray booth shall not be operated unless all exhaust air passes through the paint arrestor filters. [Rule 62-210.650, FAC, and Rule 2.301, JEPB]

Organic Hazardous Air Pollutants (HAP) emissions shall not exceed 2.6 lb per gal of coating solids used during each 12-month compliance period.

Emission Unit No. 002-Powder Coating Booth

Powder coatings (as applied) shall be limited to 50 pounds per day.

This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.

Visible emissions shall be limited to 5% opacity.

Emission Unit No. 003-Powder Coating Curing Oven

The maximum heat input to the oven shall be limited to 1.2×10^6 Btu per hour of LPG.

This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.

Visible emissions shall be limited to 5% opacity.

IV. CONCLUSION

Based upon information provided by the applicant, the Department has reasonable assurance that the proposed modification of the existing metal fabrication facility, as described in this evaluation and subject to the conditions proposed herein, will not cause, or contribute to a violation of any ambient air quality standard or other technical provision of Chapters 62-296 and 62-297, FAC, JEPB Rules 2.1001 and 2.1101.