

METAL INDUSTRIES, INC.

Air Distribution and Air Terminal Products



METAL*AIRE®

June 2, 1997

Eric Peterson
FL Dept of Environmental Protection
Air Permit Division
3804 Coconut Palm Drive
Tampa, FL 33619-8318
Re: Title V Permit 1190007-002-AV

RECEIVED
JUN 04 1997

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Dear Mr. Peterson,

As we had discussed by phone today, we are requesting that the following corrections marked on attached copy in red be edited for draft Permit 1190007-002-AV (Metal Industries - Bushnell, Sumter County):

page 2 Section I Subsection A

This facility manufactures aluminum **and steel** air distribution products (**grilles** and registers). The regulated ...

page 5 Section III Subsection A

This emissions unit is a continuous painting conveyor line used to paint/coat aluminum **and steel** air distribution products. The products are processed by

page 5 Section III Subsection A

Coating/Paint Sources

3 Electrodeposition Vats (uncontrolled)

3 Paint Touch-Up Booths, DeVilbiss Model XWE-6371 each controlled by a water curtain.

1 Touch-Up Paint Spray Booth fabricated by Metal Industries, Inc. controlled by fiber filters.

page 7 Subsection B

This emissions unit is a paint spray line used to paint/coat aluminum **and steel** air distribution products. The products are processed

page 7 Subsection B

Coating/Paint Sources

Paint Spray Booth **DeVilbiss Model XWE-6371 controlled by a water curtain.**

page 7 Subsection B1

B.1. Permitted Capacity. The Clean Oven operation rate shall not exceed 40 pieces/cleaning cycle.

[Rule 62-210.200(PTE), F. A. C.; Title V permit application received June 10, 1996]

Note: The cleaning cycle is approximately **4-8** hours.

We deeply appreciate your helpful assistance during the processing of our Title V Permit. If there are any concerns, please contact me by phone at 441-2651 extension 422.

Sincerely,

Howard Loy
Environmental/Chemical/Safety Engineer

cc: Jay Poppleton
Sally Guthrie
Mark Paul

Metal Industries, Inc.
Bushnell Facility

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Section I. Facility Information.

Subsection A. Facility Description.

This facility manufactures aluminum ^{or steel} air distribution products (grilles and registers). The regulated emissions units are two continuous painting lines. Paint Line No. 1 consists of ovens, cleaning tanks, paint spray booths, and electrodeposition vats. Paint Line No. 2 consists of ovens, a washing tank, and a paint spray booth. Also included in this permit are miscellaneous exempt emissions units and/or activities.

Based on the initial Title V permit application received June 10, 1996, this facility is a major source of Hazardous Air Pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID

<u>No.</u>	<u>Brief Description</u>
016	Paint Line No. 1
017	Paint Line No. 2

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; they are, however, specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History / ID Number Transfers
Table 1-1, Summary of Air Pollutant Standards and Terms
Table 2-1, Summary of Compliance Requirements

These documents are on file with permitting authority:

Initial Title V Permit Application received June 10, 1996.

Additional Information Request dated December 17, 1996

Additional Information Response received May 6, 1997

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

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Bushnell Facility

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Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

E.U. ID

<u>No.</u>	<u>Brief Description</u>
016	Paint Line No. 1

This emissions unit is a continuous painting conveyor line used to paint/coat aluminum ^{+ steel} air distribution products. The products are processed by passing through 7 pre-treatment tanks (3 of which are warmed with propane heaters), a dry-off oven, 3 electrodeposition vats, 3 post-rinse tanks, a dehydration oven, 4 touch-up paint spray booths, and a bake oven prior to packaging/shipping. The processes that make up the continuous painting conveyor line were previously permitted separately as E.U. ID Nos. 01 - 09. This newly defined emissions unit (E.U. ID No. 016) incorporates the processes as a single emissions unit. The process emission sources consist of the following:

<u>Propane Combustion Sources</u>	<u>Max. Heat Input Rate (mmBtu/hr)</u>
Pre-Treatment Tank No. 1 (alkaline immersion) w/heater	1.5
Pre-Treatment Tank No. 3 (cleaner) w/heater	3.5
Pre-Treatment Tank No. 5 (phosphate coating) w/heater	3.5
Dry-Off Oven	2.0
Dehydration Oven	2.5
Bake Oven	6.0

Coating/Paint Sources

3 Electrodeposition Vats (uncontrolled)

3 DeVilbiss Model ~~TEB-1289-125~~ Paint Touch-Up Booths, each controlled by a DeVilbiss Turbo-Clean Model XWE-6371 low water wash spray booth rated at 17,000 ACFM. Each controlled by a water curtain.

1 Touch-Up Paint Spray Booth fabricated by Metal Industries, Inc. controlled by fiber filters and rated at 9123 ACFM.

The following conditions apply to the emissions unit listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Hours of Operation. The hours of operation for this emissions unit shall not exceed 7488 hours/year.

[Rule 62-210.200(PTE), F.A.C.; Permit Nos. AC60-104252, AC60-130974, AC60-130971, AC60-130972, AC60-130960, AC60-130968, AC60-130966, AC60-130976]

A.2. Methods of Operation - (Fuels). The ovens and heaters shall be fired with propane only.

[Rule 62-213(410), F.A.C.]

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 Bushnell Facility

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Subsection B. This section addresses the following emissions unit(s).

E.U. ID

No. **Brief Description**
 017 Paint Line No. 2

of steel

This emissions unit is a paint spray line used to paint/coat aluminum air distribution products. The products are processed by passing through a washer, a DeVilbiss paint spray booth, and the main bake oven. A cleaning oven is used to remove paint residue from the racking hardware. The ovens and heater are fired only on propane. The processes that make up the paint spray line were previously permitted separately as E.U. ID Nos. 10 - 14. This newly defined emissions unit (E.U. ID No. 017) incorporates the processes as a single emissions unit. The process emission sources consist of the following:

<u>Propane Combustion Sources</u>	<u>Max. Heat Input Rate (mmBtu/hr)</u>
Water Heater	1.5
Dry-Off Oven	3.5
Main Bake Oven	4.5
Clean Oven	0.625

Coating/Paint Sources

Paint Spray Booth controlled by a DeVilbiss Turbo-Clean Model XWE-6371 ~~low-water-wash spray booth rated at 17,500 ACFM.~~ Controlled by a water curtain.

Permitting note: The Clean Oven is regulated under Rule 62-296.401(1), F.A.C. Stationary Sources - Emission Standards - Incinerators.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The Clean Oven operation rate shall not exceed ⁴⁰~~20~~ pieces/cleaning cycle.

[Rule 62-210.200(PTE), F.A.C.; Title V permit application received June 10, 1996]

Note: The cleaning cycle is approximately ~~2~~ hours.

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B.2. Methods of Operation - (Fuels). The ovens and heater shall be fired with propane only. [Rule 62-213(410), F.A.C.]

B.3. Hours of Operation. The hours of operation for this emissions unit shall not exceed 7488 hours/year.

[Rule 62-210.200(PTE), F.A.C.; Permit No. AC60-164950]