



Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

December 6, 2004

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Astral Industries, Inc. / 135-19759-00002

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-AM.dot 9/16/03



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

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Commissioner

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Mr. Tom Stiens  
Astral Industries, Inc.  
502 E. Sherman St., and 7375 S. U.S. Hwy. 27  
Lynn, IN 47355-0638

December 6, 2004

Re: 135-19759  
First Administrative Amendment to  
Part 70 Permit No. T135-7722-00002

Dear Mr. Stiens:

Astral Industries, Inc. was issued a Part 70 permit on January 23, 2001, for the operation of a metal casket manufacturing plant. A letter requesting an administrative amendment was received on October 18, 2004. The source has requested to move the prime HVLP airless booth, identified as U2 and the sealer air atomization booth, identified as U8 from Plant # 1 to Plant #2. This request revises descriptive information only and the revision will not trigger a new applicable requirement or violate a permit term. Therefore, pursuant to the provisions of 326 IAC 2-7-11(a)(8), the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.2 has been revised as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(15)]

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This stationary source consists of the following emission units and pollution control devices:  
(Units located at Plant 2 are so noted, all other units are located at Plant 1. Units may be moved between the two plants without prior notification to OAQ, IDEM, but notification shall be made upon such moves.)

- (a) a touch-up spray booth, equipped with air atomization spray applicators or equivalent, identified as U1, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S1
- ~~(b) a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2~~
- (e b) a topcoat spray booth, equipped with airless spray applicators or equivalent, identified as U3, constructed in 1970, equipped with dry filters for PM overspray control, and exhausting through stack S3
- (d c) a shading spray booth, equipped with air atomization spray applicators or equivalent, identified as U4, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S4

- (e d) a colorcoat spray booth, equipped with air atomization spray applicators or equivalent, identified as U5, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S5
- (f e) a stripper tank, identified as U6, constructed in 1989, and exhausting through stack S6
- ~~(g) a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8~~
- (f) at plant 2: a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2**
- (g) at plant 2: a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8**
- (h) at plant 2: a casket assembly and powder coating operation, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with an average maximum throughput of 120 caskets per hour, consisting of the following emission units:
  - (1) a manual powder coat booth designated the Versa Coat Booth, with dry filters for PM overspray control
  - (2) two (2) automated powder coat booths designated Powder Coat Booths 1 and 2, with integral dry filters for PM overspray control
- (i) at plant 2: a natural gas fired boiler, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with a maximum heat input capacity of 15 million British thermal units per hour (MMBtu/hr), exhausting to stack S10

(2) Section D.1 has been revised as follows:

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

*(Units located at Plant 2 are so noted, all other units are located at Plant 1)*

- (a) a touch-up spray booth, equipped with air atomization spray applicators or equivalent, identified as U1, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S1
- ~~(b) a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2~~
- (e b) a topcoat spray booth, equipped with airless spray applicators or equivalent, identified as U3, constructed in 1970, equipped with dry filters for PM overspray control, and exhausting through stack S3
- (e c) a shading spray booth, equipped with air atomization spray applicators or equivalent, identified as U4, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S4

- (e d) a colorcoat spray booth, equipped with air atomization spray applicators or equivalent, identified as U5, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S5
- (f e) a stripper tank, identified as U6, constructed in 1989, and exhausting through stack S6
- ~~(g) a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8~~
- (f) **at plant 2: a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2**
- (g) **at plant 2: a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8**
- (h) *at plant 2:* a casket assembly and powder coating operation, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with an average maximum throughput of 120 caskets per hour, consisting of the following emission units:
  - (1) a manual powder coat booth designated the Versa Coat Booth, with dry filters for PM overspray control
  - (2) two (2) automated powder coat booths designated Powder Coat Booths 1 and 2, with integral dry filters for PM overspray control

*The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.*

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Seema Roy, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call 973-575-2555 (ext. 3217) or 1-800-451-6027 and ask for extension 3-6878.

Sincerely,

Original signed by  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments  
SR/EVP

cc: File - Randolph County  
U.S. EPA, Region V  
Randolph County Health Department  
Northern Regional Office  
Air Compliance Section Inspector – Dave Rice  
Compliance Data Section  
Administrative and Development



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## PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Astral Industries, Inc.**  
**502 East Sherman Street**  
*and*  
**7375 S. U.S. Highway 27**  
**Lynn, IN 47355 - 0638**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T135-7722-00002	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: January 23, 2001 Expiration Date: January 23, 2006
First Administrative Amendment No.: 135-19759-00002	
Pages Modified: 4, 5, 24 and 24a	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: December 6, 2004

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

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The Permittee owns and operates a stationary metal burial casket manufacturing plant.

Responsible Official: Charles B. Shaw, CEO  
Source Address: Plant 1 at 502 East Sherman St., Lynn, IN 47355 and  
Plant 2 at 7375 S. U.S. Hwy. 27, Lynn, IN 47355  
Mailing Address: P. O Box 638, Lynn, IN 47355-0638  
Phone Number: 765 / 874 - 2525  
SIC Code: 3995  
County Location: Randolph  
County Status: Attainment for all criteria pollutants  
Source Status: Part 70 Permit Program  
Minor Source, under PSD Rules;  
Major Source, Section 112 of the Clean Air Act

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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This stationary source consists of the following emission units and pollution control devices:  
*(Units located at Plant 2 are so noted, all other units are located at Plant 1. Units may be moved between the two plants without prior notification to OAQ, IDEM, but notification shall be made upon such moves.)*

- (a) a touch-up spray booth, equipped with air atomization spray applicators or equivalent, identified as U1, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S1
- (b) a topcoat spray booth, equipped with airless spray applicators or equivalent, identified as U3, constructed in 1970, equipped with dry filters for PM overspray control, and exhausting through stack S3
- (c) a shading spray booth, equipped with air atomization spray applicators or equivalent, identified as U4, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S4
- (d) a colorcoat spray booth, equipped with air atomization spray applicators or equivalent, identified as U5, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S5
- (e) a stripper tank, identified as U6, constructed in 1989, and exhausting through stack S6
- (f) *at plant 2:* a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2

- (g) *at plant 2:* a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8
- (h) *at plant 2:* a casket assembly and powder coating operation, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with an average maximum throughput of 120 caskets per hour, consisting of the following emission units:
  - (1) a manual powder coat booth designated the Versa Coat Booth, with dry filters for PM overspray control
  - (2) two (2) automated powder coat booths designated Powder Coat Booths 1 and 2, with integral dry filters for PM overspray control
- (i) *at plant 2:* a natural gas fired boiler, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with a maximum heat input capacity of 15 million British thermal units per hour (MMBtu/hr), exhausting to stack S10

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

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This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21): (*Activities located at Plant 2 are so noted, all other activities are located at Plant 1*)

- (a) *at plants 1 & 2:* sanding and grinding operations with belt sanders and/or for welding touch-up, that have PM emissions below significant thresholds of 5 lbs/hr and 25 lbs/day [326 IAC 6-3-2]
- (b) a natural gas fired boiler rated at 0.2 MM Btu/hr, constructed following Sept. 21, 1983, [326 IAC 6-2-4]
- (c) two (2) natural gas fired boilers, constructed following Sept. 21, 1983, located in the office building, each rated at 1.5 MM Btu/hr [326 IAC 6-2-4]
- (d) *at plant 2:* a hook burn-off oven fired by natural gas, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with a maximum heat input capacity of 1.0 MMBtu/hr, exhausting to stack S14 [326 IAC 4-2-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]:

*(Units located at Plant 2 are so noted, all other units are located at Plant 1)*

- (a) a touch-up spray booth, equipped with air atomization spray applicators or equivalent, identified as U1, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S1
- (b) a topcoat spray booth, equipped with airless spray applicators or equivalent, identified as U3, constructed in 1970, equipped with dry filters for PM overspray control, and exhausting through stack S3
- (c) a shading spray booth, equipped with air atomization spray applicators or equivalent, identified as U4, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S4
- (d) a colorcoat spray booth, equipped with air atomization spray applicators or equivalent, identified as U5, constructed in 1970, equipped with dry filters for PM overspray control and exhausting through stack S5
- (e) a stripper tank, identified as U6, constructed in 1989, and exhausting through stack S6
- (f) *at plant 2:* a prime spray booth, equipped with both airless and HVLP airless spray applicators or equivalent, identified as U2, constructed prior to 1970, equipped with dry filters for PM overspray control, and exhausting through stack S2
- (g) *at plant 2:* a sealer booth, equipped with air atomization spray applicators or equivalent, identified as U8, constructed in 1996, equipped with dry filters for PM overspray control and exhausting through stack S8
- (h) *at plant 2:* a casket assembly and powder coating operation, constructed within 18 months of the issuance of Source Mod. 135-11624-00002, issued June 9, 2000, with an average maximum throughput of 120 caskets per hour, consisting of the following emission units:
  - (1) a manual powder coat booth designated the Versa Coat Booth, with dry filters for PM overspray control
  - (2) two (2) automated powder coat booths designated Powder Coat Booths 1 and 2, with integral dry filters for PM overspray control

*The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.*

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.1.1 New Facilities, General Reduction Requirements [326 IAC 8-1-6]

- (a) Input VOC to sealer booth U8 shall be limited to less than 25 tons VOC per 12 consecutive month period. This input limit is required to limit PTE VOC to less than 25 tons per 12 consecutive month period, so that Best Available Control Technology (BACT) will not apply.

- (b) Stripper tank U6 is not subject to 326 IAC 8-1-6 (BACT) due to the PTE VOC < 25 tons/year. Should PTE VOC exceed 25 tons/year, BACT would apply. Any change or modification which may increase the PTE VOC emissions from tank U6 to 25 tons per year or more must be approved by the Office of Air Quality (OAQ) before such change may occur.