



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: October 24, 2006
RE: Stellite Coatings / 039-23709-00078
FROM: Nisha Sizemore
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 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
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100 North Senate Avenue
Indianapolis, Indiana 46204-2251
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October 24, 2006

Mr. Scott Dunnock, Maintenance Foreman
Stellite Coatings
1201 Eisenhower Drive North
Goshen, Indiana 46526

Re: **039-23709-00078**
First Notice-Only Change to
Revised Registered Construction and
Operation Status
039-156823-00078

Dear Mr. Dunnock:

Stellite Coatings was issued a Revised Registered Construction and Operation Status approval on February 3, 2003, for a metal powder manufacturing operation. A letter from Bruce Carter Associates, L.L.C., requesting an administrative change for replacement of equipment was received on October 2, 2006. Pursuant to the provisions of 326 IAC 2-5.5-6(b)(1), the permit is hereby revised as follows:

1. Replacement of an existing 2,500 cfm dust collector with a larger 10,000 cfm unit. The replacement is being made to improve efficiency and will not increase potential to emit and the unit identification was not changed.
 - (b) One (1) fume hood, constructed ~~after 1990~~ **in 2006**, with a maximum process rate of less than 100 pounds per hour, controlled by Baghouse DC2.

IDEM has also included the following update to the Revised Registration:

2. The mailing address of IDEM, Office of Air Quality (OAQ) has changed. Reference in the Registration to "Post Office Box 6015, Indianapolis, Indiana 46206-6015" has been changed to "**100 North Senate, Indianapolis, Indiana 46204-2251**".

All other conditions of the registration shall remain unchanged and in effect. Please find a copy of the Registration with the revisions.



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 Janet Mobley at 317-232-8369 or at 1-800-451-6027 extension 2-8369.

Sincerely,
Original signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

NS/jm

cc: File – Elkhart County
Elkhart County Health Department
Air Compliance Section Inspector – Tony Pelath
IDEM Northern Regional Office
Compliance Data Section
Bruce Carter Associates, L.L.C., Attn: Thomas Hornblower, Project Manager,
733 Princeton Street, Elkhart, Indiana 46516
Permit Review Section II- Janet Mobley



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Mr. Scott Dunnock, Maintenance Foreman
Stellite Coatings
1201 Eisenhower Drive North
Goshen, Indiana 46526

October 24, 2006

Re: **039-23709-00078**
First Notice Only Change to a
Revised Registered Construction
and Operation Status
039-15682-00078

Dear Mr. Dunnock:

A letter requesting an amendment to replace an existing dust collector with a larger unit was received on October 2, 2006. The following is a revision of the current revised registration acknowledging the change.

The application from Stellite Coatings, received on May 30, 2002, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following emission units, located at 1201 Eisenhower Drive North, Goshen, Indiana, 46526 are classified as registered:

- (a) One (1) air melt atomization tower, constructed in 1990, with a maximum capacity of 800 pounds per hour, equipped with a product cyclone that is considered integral to the process, controlled by Baghouse DC1.
- (b) One (1) fume hood, constructed in 2006, with a maximum process rate of less than 100 pounds per hour, controlled by Baghouse DC2.
- (c) One (1) vacuum melt atomization tower, constructed in 1990, with a maximum capacity of 175 pounds per hour, equipped with a product cyclone that is considered integral to the process, controlled by Baghouse DC3.
- (d) One (1) Cobalt classifying operation, constructed in 1990, with a maximum process rate of 975 pounds of metal per hour, controlled by Baghouse DC4.



- (e) One (1) Iron/Nickel classifying operation, constructed in 1990, with a maximum process rate of 975 pounds of metal per hour, controlled by Baghouse DC5.
- (f) One (1) castable rework operation, constructed in 1990, with a maximum process rate of less than 100 pounds per hour, controlled by Baghouse DC6.
- (g) One (1) welding application and testing facility, constructed in 1990, with a maximum process rate of less than 100 pounds per hour, controlled by Baghouse DC7.
- (h) One (1) spray booth, identified as Booth A, constructed in 2002, using a powder coating process, with a maximum coating usage of 20 pounds per hour and a maximum throughput rate of 24 pounds of parts per hour, controlled by Baghouse DC8. This booth is located in the Research and Development Laboratory and is used only for experimental study and testing. The total spray time of Booth A is less than 1,143 hours per year.
- (i) One (1) spray booth, identified as Booth B, constructed in 2002, using a powder coating process, with a maximum coating usage of 10 pounds per hour, controlled by Baghouse DC8. This booth is located in Quality Control Laboratory and is used only for experimental study and testing. The total spray time of this booth is less than 95 hours per year.

The following conditions shall be applicable:

1. Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:
 - (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.
2. Pursuant to 326 IAC 6-3-2 (Manufacturing Processes)
 - (a) Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions from the air melt atomization tower shall not exceed 2.22 lbs/hr when the process weight rate is 800 lbs/hr.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

- (b) Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions from the vacuum melt atomization tower shall not exceed 0.8 lbs/hr when the process weight rate is 175 lbs/hr. The pounds per hour limitation was calculated with the equation in (a).
 - (c) Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions from the cobalt classifying operation shall not exceed 2.53 lbs/hr when the process weight rate is 975 lbs/hr. The pounds per hour limitation was calculated with the equation in (a).
 - (d) Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions from the iron/nickel classifying operation shall not exceed 2.53 lbs/hr when the process weight rate is 975 lbs/hr. The pounds per hour limitation was calculated with the equation in (a).
 - (e) Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions from each of the fumehood, the castable rework, and the weld application shall not exceed 0.551 lbs/hr.
 - (f) Pursuant to 326 IAC 6-3-2(e), the allowable particulate emissions from each of the spray coating booths (Booths A and B) shall not exceed the pounds per hour limitation calculated with the equation in (a).
3. Pursuant to 326 IAC 2-5.5 (Registrations), the product cyclones associated with both atomization towers must be in operation when the towers are in operation, as they are considered integral part of the process.

This registration is a revised registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Branch
Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

If you have any questions on this matter please contact Janet Mobley at 317-232-8369 or at 1-800-451-6027 extension 2-8369.

Sincerely,

Original signed by
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

NS/jm

cc: File - Elkhart County

Elkhart County Health Department

Air Compliance - Tony Pelath

IDEM Northern Regional Office

Compliance Data Section

Bruce Carter Associates, L.L.C., Attn: Thomas Hornblower, Project Manager,

733 Princeton Street, Elkhart, Indiana 46516

Permit Review Section II – Janet Mobley

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3).

Company Name:	Stellite Coatings
Address:	1201 Eisenhower Drive North
City:	Goshen, Indiana 46526
Authorized individual:	Scott Dunnock
Phone #:	(219) 534-2585
Registration #:	039-15682-00078

I hereby certify that Stellite Coatings is still in operation and is in compliance with the requirements of Registration 039-15682-00078.

Name (typed):
Title:
Signature:
Date: