



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: October 15, 2010

RE: Central States Fabricating Corporation / 141-29571-00573

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Registration

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 IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

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, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of 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
FN-REGIS.dot 1/2/08



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REGISTRATION OFFICE OF AIR QUALITY

**Central States Fabricating Corporation
3015 Kenmore Street
South Bend, Indiana 46619**

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 141-29571-00573	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 15, 2010

SECTION A

SOURCE SUMMARY

This registration 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 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a stationary metal parts fabrication and coating operations plant.

Source Address:	3015 Kenmore Street, South Bend, Indiana 46619
General Source Phone Number:	574-293-8691
SIC Code:	3599
County Location:	St. Joseph County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) Metal Coating Booth, identified as SB1, using an airless spray application, approved for construction in 2010, with a maximum throughput capacity of 0.499 units per hour, using a high-efficiency dry filter system as control, and exhausting to stack SVSB1.
- (b) One (1) Shot Blast Booth, identified as BB1, approved for construction in 2010, with a maximum capacity of 1304 pounds per hour throughput, including product and media, using a high-efficiency 17,000 cfm return-air bagfilter system as control, and exhausting indoors.
- (c) One (1) Fabrication Process, including welding and cutting, identified as F1, approved for construction in 2010, using no control equipment, and exhausting indoors.
- (d) One (1) Natural gas-fired Normalizing Furnace, identified as NF-1, approved for construction in 2010, with a maximum heat input capacity of 2.0 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stack SVN1.
- (e) Four (4) Natural gas-fired Unit Heaters, identified as H1, H2, H3, and H4, approved for construction in 2010, with a combined maximum heat input capacity of 0.80 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stacks SVH1, SVH2, SVH3, and SVH4, respectively.

SECTION B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

B.3 Registration Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. 141-29571-05273 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:
Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), 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.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Registrant shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 Opacity [326 IAC 5-1]

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, unless otherwise stated in this registration:

- (a) Opacity shall not exceed an average of thirty percent (30%) 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 fifteen (15) minutes (sixty (60) readings 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.

C.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- (a) One (1) Metal Coating Booth, identified as SB1, using airless spray application, approved for construction in 2010, with a maximum throughput capacity of 0.499 units per hour, using a high-efficiency dry filter system as control, and exhausting to stack SVSB1.
- (b) One (1) Shot Blast Booth, identified as BB1, approved for construction in 2010, with a maximum capacity of 1304 pounds per hour throughput, including product and media, using a high-efficiency 17,000 cfm return-air bagfilter system as control, and exhausting indoors.
- (c) One (1) Fabrication Process, including welding and cutting, identified as F1, approved for construction in 2010, using no control equipment, and exhausting indoors.
- (d) One (1) Natural gas-fired Normalizing Furnace, identified as NF-1, approved for construction in 2010, with a maximum heat input capacity of 2.0 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stack SVNF1.
- (e) Four (4) Natural gas-fired Unit Heaters, identified as H1, H2, H3, and H4, approved for construction in 2010, with a combined maximum heat input capacity of 0.80 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stacks SVH1, SVH2, SVH3, and SVH4, respectively.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

D.1.1 VOC Limit [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9 (VOC Rules for Miscellaneous Metal and Plastic Parts Coating Operation), the Registrant shall not allow discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator;
- (b) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not limited to, the following:
 - (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning application, storage, mixing, and

conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shotblasting operation BB-1 shall not exceed 3.07 pounds per hour when operating at a process weight rate of 0.65 tons per hour (1304 pounds per hour). The pound per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour, consisting of 825 lbs} \\ \text{per hour of product and 479 lbs per hour of media, totaling 1304} \\ \text{pounds per hour, or 0.65 tons per hour.}$$

D.1.3 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(d), the Metal Coating Booth, SB1, shall be controlled by a dry particulate filter, subject to the following:

- (a) The Registrant shall operate the control device at all times that the coating booth is in operation, and in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulated on the ground, the Registrant shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair the control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground; or
 - (2) Operate equipment so that no overspray is visibly detected at the exhaust or accumulates on the ground.

D.1.4 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Registrant's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

D.1.5 Particulate [326 IAC 6-3-2]

In order to ensure compliance with Condition D.1.2, the air bagfilter shall be in operation at all times the shotblast machine BB-1 is in operation and shall operate in accordance with manufacturer's specifications.

D.1.6 Volatile Organic Compounds

- (a) Compliance with the VOC content limitations in Condition D.1.1(a) shall be determined pursuant to 326 IAC 8-1-2(a)(7) using a volume-weighted average of coatings on a daily basis. This volume-weighted average shall be determined by the following equation:

$$A = [\sum (C \times U) / \sum U]$$

Where A = the volume weighted average in pounds VOC per gallons less water

as applied;
C = the VOC content of the coating in pounds VOC per gallon less water
as applied; and
U = the usage rate of the coating in gallons per day

- (b) In order to ensure compliance with Condition D.1.3, the dry filter system must operate at all times that the coating booth is in operation, and operate in accordance with manufacturer's specifications.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(a), the Registrant shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.1.1(a).
- (1) The VOC content of each coating material and solvent used less water;
 - (2) The amount of each coating material and solvent used on a daily basis
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and material used;
 - (B) Solvent usage records shall differentiate between those added to coating and those used as a cleanup solvent.
 - (3) The volume-weighted average VOC content of the coatings used for each day;
 - (4) The daily cleanup solvent usage; and
 - (5) The total VOC usage for each day.
- (b) To document the compliance status with Condition D.1.1(b), the Registrant shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.1.1.
- (1) The VOC content of each coating material and solvent used less water.
 - (2) The amount of coating material and solvent used on a monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
- (c) To document compliance with Condition D.1.3, the Registrant shall maintain records on accordance with the following:
- If overspray from the Metal Coating Booth SB1 is visibly detected, the Registrant shall maintain a record of the action taken as the result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records shall be maintained for five (5) years.

- (d) Records of all required monitoring data, reports and support information required by this registration shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the owner or operator of this source, the owner or operator of this source shall furnish the records to the Commissioner within a reasonable time.
- (e) Unless otherwise specified in this registration, all record keeping requirements not already legally required shall be implemented no later than ninety (90) days of approval date of this registration.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

Company Name:	Central States Fabricating Corporation
Address:	3015 Kenmore Street
City:	South Bend, Indiana 46619
Phone Number:	574-293-8691
Registration No.:	141-29571-00573

I hereby certify that Central States Fabricating Corporation is :

still in operation.

I hereby certify that Central States Fabricating Corporation is :

no longer in operation.

in compliance with the requirements of Registration No. 141-29571-00573.

not in compliance with the requirements of Registration No. 141-29571-00573.

Authorized Individual (typed):
Title:
Signature:
Phone Number:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Registration

Source Description and Location

Source Name:	Central States Fabricating Corporation
Source Location:	3015 Kenmore Street, South Bend, Indiana 46619
County:	St. Joseph
SIC Code:	3599
Registration No.:	141-29571-00573
Permit Reviewer:	Jack Harmon

On August 16, 2010, the Office of Air Quality (OAQ) received an application from Central States Fabricating Corporation related to the construction and operation of a new stationary metal parts fabrication and coating operations plant. Additional information was received on September 17, September 28, and October 11, 2010.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in St. Joseph County, north of Kern Road and East of Pine Road.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including St. Joseph County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. St. Joseph County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
St. Joseph County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for

PM_{2.5} emissions until 326 IAC 2-2 is revised.

- (c) Other Criteria Pollutants
St. Joseph County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-5.1-2 (Registrations) applicability.

Background and Description of Emission Units and Pollution Control Equipment

The Office of Air Quality (OAQ) has reviewed an application, submitted by Central States Fabricating Corporation on August 17, 2010, relating to construction and operation of a new stationary metal parts fabrication and coating operations plant. The process will consist of fabrication, including welding and cutting, blasting, and surface coating and will have process heaters, fired by natural gas. Based on the potential to emit criteria pollutants this source will be issued a Registration.

The following is a list of the new emission units and pollution control devices:

- (a) One (1) Metal Coating Booth, identified as SB1, using airless spray application, approved for construction in 2010, with a maximum throughput capacity of 0.499 units per hour, using a high-efficiency dry filter system as control, and exhausting to stack SVSB1.
- (b) One (1) Shot Blast Booth, identified as BB1, approved for construction in 2010, with a maximum capacity of 1304 pounds per hour throughput, including product and media, using a high-efficiency 17,000 cfm return-air bagfilter system as control, and exhausting indoors.
- (c) One (1) Fabrication Process, including welding and cutting, identified as F1, approved for construction in 2010, using no control equipment, and exhausting indoors.
- (d) One (1) Natural gas-fired Normalizing Furnace, identified as NF-1, approved for construction in 2010, with a maximum heat input capacity of 2.0 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stack SVNF1.
- (e) Four (4) Natural gas-fired Unit Heaters, identified as H1, H2, H3, and H4, approved for construction in 2010, with a combined maximum heat input capacity of 0.80 million British thermal units per hour (MMBtu/hr), using no control equipment, and exhausting to stacks SVH1, SVH2, SVH3, and SVH4, respectively.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – Registration

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit. Although the unlimited and uncontrolled potential to emit is within the threshold levels

for an Exemption, the source has requested a Registration level permit.

Process/ Emission Unit	Unlimited Potential To Emit of the Entire Source (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Surface Coating SB-1	1.30	1.30	1.30	0.00	0.00	3.29	0.00	7.9E-01	7.9E-01 (Toluene)
Natural Gas Heaters NF1, H1-H4	0.02	0.09	0.09	0.01	1.23	0.07	1.03	2.31E-02	2.21E-02 (Hexane)
Abrasive Blasting BB-1	20.98	20.98	20.98	0.00	0.00	0.00	0.00	0.00	0.00
Welding and Cutting (Fabricating)	0.19	0.19	0.19	0.00	0.00	0.00	0.00	1.25E-02	1.23E-02 (Manganese)
Fugitive Emissions (Roads)	0.18	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	22.67	22.60	22.60	0.01	1.23	3.36	1.03	8.26E-01	7.90E-01 (Toluene)
Registration Levels	25	25	25	25	25	25	100	25	10

* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of all criteria pollutants are within the ranges listed in 326 IAC 2-5.1-2(a)(1). The PTE of all other regulated criteria pollutants are less than the ranges listed in 326 IAC 2-5.1-2(a)(1). Therefore, the source is subject to the provisions of 326 IAC 2-5.1-2 (Registrations). A Registration will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Miscellaneous Parts and Products, 40 CFR 63, Subpart Mmmm (326 IAC 20), are not included in the permit, since this source is not a major source of HAPs. Therefore, the requirements of 40 CFR 63, Subpart Mmmm do not apply.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH (326 IAC 20), are not included in the permit, since this source does not perform stripping operations, does not coat vehicles and mobile repair, and does not use chromium, lead, manganese, nickel, or cadmium in its process. Therefore, the requirements of 40 CFR 63, Subpart HHHHHH do not apply.

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T (326 IAC 20), are not included in the permit, since this source does not use halogenated solvents in its operation. Therefore, the requirements of 40 CFR 63, Subpart T do not apply.
- (e) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

- (f) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the source:

- (a) 326 IAC 2-5.1-2 (Registrations)
Registration applicability is discussed under the Permit Level Determination – Registration section above.
- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (c) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (d) 326 IAC 5-1 (Opacity Limitations)
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, unless otherwise stated in this permit. The plant is located at 3015 Kenmore Road in St. Joseph County, and is located north of Kern Road and East of Pine Road. Therefore, pursuant to 326 IAC 5-1-1, the following shall apply:
 - (1) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings 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.
- (e) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

- (f) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.
- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Each of the emission units at this source is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each emission unit is less than twenty-five (25) tons per year.
- (h) 326 IAC 8-2-9 (VOC Rules: Miscellaneous Metal and Plastic Parts Coating Operation)
The source is subject to the requirements of 326 IAC 8-2-9 because it has the potential to emit VOC of greater than 15 pounds per day before add-on controls. Therefore, the following shall apply:
- (1) Pursuant to 326 IAC 8-2-9 (VOC Rules for Miscellaneous Metal and Plastic Parts Coating Operation), the source shall not allow discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

This source uses two coatings at this facility. The main primer coating contains 1.14 pounds VOC per gallon less water, which complies with the VOC emission limit in 326 IAC 8-2-9. The cleanup solvent, however, contains 7.26 pounds VOC per gallon less water, which exceeds the VOC content limits under 326 IAC 8-2-9. Since the cleanup solvent exceeds the limit, the source cannot use the compliant coating method to comply with this rule. By usage, the volume of coating with the lower VOC content exceeds the volume of cleanup solvent.

Since the source does not use compliant coatings and does not use control equipment, and since it uses two coatings, one of which has a low VOC content, the source shall use a daily volume-weighted average method, in order to comply with this rule.

The daily volume-weighted average is calculated using the following equation:

$$A = [\sum (C \times U) / \sum U]$$

Where A = the volume weighted average in pounds VOC per gallons less water as applied;

C = the VOC content of the coating in pounds VOC per gallon less water as applied; and

U = the usage rate of the coating in gallons per day

The records of daily emissions in pounds VOC shall be maintained and made available upon request.

- (2) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not limited to, the following:
- (i) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
- (ii) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all

times except when depositing or removing these materials.

- (iii) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
- (iv) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
- (v) Minimize VOC emissions from the cleaning application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

(i) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

- (1) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shotblasting operation BB-1 shall not exceed 3.07 pounds per hour when operating at a process weight rate of 0.65 tons per hour (1304 pounds per hour). The pound per hour limitation was calculated with the following equation:

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour, consisting of} \\ 825 \text{ lbs per hour of product and } 479 \text{ lbs per hour of} \\ \text{media, totaling } 1698 \text{ pounds per hour, or } 0.65 \text{ tons per} \\ \text{hour.}$$

The air bagfilter shall be in operation at all times the shotblast machine is in operation, in order to comply with this limit.

- (2) Pursuant to 326 IAC 6-3-2(d), the Metal Coating Booth, SB1, shall be controlled by a dry particulate filter, subject to the following:

- (A) The source shall operate the control device at all times that the coating booth is in operation, and in accordance with manufacturer's specifications.
- (B) If overspray is visibly detected at the exhaust or accumulated on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (i) Repair the control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground; or
 - (ii) Operate equipment so that no overspray is visibly detected at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as the result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records shall be maintained for five (5) years.

(j) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

The source is not subject to the requirements of 326 IAC 6.5 because it is not one of the sources specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10, and does not have actual emissions

greater than 10 tons per year or the potential to emit particulate of 100 tons or more per year. Therefore, the requirements of 326 IAC 6.5 do not apply.

- (k) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (l) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on August 17, 2010. Additional information was received September 17, 2010, September 28, and October 11, 2010.

The construction and operation of this source shall be subject to the conditions of the attached proposed Registration No. 141-29571-00573. The staff recommends to the Commissioner that this Registration be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Jack Harmon at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-4228 or toll free at 1-800-451-6027 extension 3-4228.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

**Appendix A: Emissions Calculations
Uncontrolled Emissions Summary**

Company Name: Central States Fabricating Corp.
Address City IN Zip: 3015 Kenmore Street, South Bend, Indiana 46619
Permit Number: 141-29571-00573
Pit ID: 141-00573
Reviewer: Jack Harmon
Date: September, 2010

Total Uncontrolled and Unlimited Potential to Emit (Tons per Year)

<u>Emissions Units</u>	<u>PM</u>	<u>PM10</u>	<u>PM2.5</u>	<u>SO2</u>	<u>NOx</u>	<u>VOC</u>	<u>CO</u>	<u>Worst HAP</u>	<u>Total HAPs</u>	<u>Worst HAP</u>
Surface Coating	1.3	1.3	1.3	0.00	0.00	3.29	0.00	7.90E-01	7.90E-01	Toluene
Natural Gas Heaters	0.02	0.09	0.09	0.01	1.23	0.07	1.03	2.21E-02	2.31E-02	Hexane
Abrasive Blasting	20.98	20.98	20.98	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	
Welding and Cutting	0.19	0.19	0.19	0.00	0.00	0.00	0.00	1.23E-02	1.25E-02	Manganese
Paved Roads	0.18	0.04	0.04	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	
Total PTE	22.67	22.60	22.60	0.01	1.23	3.36	1.03	7.90E-01	8.26E-01	Toluene
Registration Threshold	25	25	25	25	25	25	100	10	25	

**Appendix A: Emissions Calculations
Natural Gas Combustion Only**

MM BTU/HR <100

Company Name: Central States Fabricating Corp.
Address City IN Zip: 3015 Kenmore Street, South Bend, Indiana 46619
Permit Number: 141-29571-00573
Plt ID: 141-00573
Reviewer: Jack Harmon
Date: September, 2010

Description	Number of Emission Units	Emission Unit ID	Heat Input Capacity Per Unit (MMBtu/hr)	Total Maximum Potential Throughput (MMCF/yr)
Normalizing Furnace	1	NF1	2.000	17.5
Unit Heaters	4	H1-H4	0.800	7.0
Totals	5		2.800	24.5

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

2.80

24.5

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100	5.5	84
				**see below		
Potential Emission in tons/yr	0.02	0.09	0.01	1.23	0.07	1.03

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
 **Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Emission Factor in lb/MMcf	HAPs - Organics					Worst HAP	Total HAPs
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene		
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03		
Potential Emission in tons/yr	2.575E-05	1.472E-05	9.198E-04	2.208E-02	4.170E-05	2.21E-02 (Hexane)	2.308E-02
Emission Factor in lb/MMcf	HAPs - Metals					Worst HAP	Total HAPs
	Lead	Cadmium	Chromium	Manganese	Nickel		
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03		
Potential Emission in tons/yr	6.132E-06	1.349E-05	1.717E-05	4.660E-06	2.575E-05	2.57544E-05 (Nickel)	6.721E-05

2.314E-02

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emission Calculations

Abrasive Blasting - Confined

Company Name: Central States Fabricating Corp.
Address City IN Zip: 3015 Kenmore Street, South Bend, Indiana 46619
Permit Number: 141-29571-00573
Plt ID: 141-00573
Reviewer: Jack Harmon
Date: September, 2010

Table 1 - Emission Factors for Abrasives

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

Table 2 - Density of Abrasives (lb/ft3)

Abrasive	Density (lb/ft3)
Shot/grit blend	443.25

Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

Calculations

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =
 D = Density of abrasive (lb/ft3) From Table 2 =
 D1 = Density of sand (lb/ft3) =
 ID = Actual nozzle internal diameter (in) =
 ID1 = Nozzle internal diameter (in) from Table 3 =

107
443.25
99
0.188
0.188

Flow Rate (FR) (lb/hr) = 479.068 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =
 FR = Flow Rate (lb/hr) =
 w = fraction of time of wet blasting =
 N = number of nozzles =

0.010
479.068
0.00 %
1.00

Uncontrolled Emissions =	4.79 lb/hr
	20.98 ton/yr
Controlled Emissions =	0.21 ton/yr

Based on control efficiency of 99.9%

METHODOLOGY

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)2 x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emissions Calculations
Welding and Thermal Cutting**

Company Name: Central States Fabricating Corp.
Address City IN Zip: 3015 Kenmore Street, South Bend, Indiana 46619
Permit Number: 141-29571-00573
Plt ID: 141-00573
Reviewer: Jack Harmon
Date: September, 2010

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	Electrode Consumption (lb/hr)	EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				Worst HAP (lbs/hr)	Total HAPs (lb/hr)
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr		
WELDING													
Metal Inert Gas (MIG)(carbon steel)	3	1.85	5.56	0.0052	0.0005			0.029	2.78E-03	0.00E+00	0.00E+00	2.775E-03	2.78E-03
												(manganese)	
FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)	
				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr		
Arc Carbon Cutter**	1	0.499	6.00	0.0815	0.0002		0.0002	0.015	3.593E-05	0.000E+00	3.593E-05	3.593E-05	7.19E-05
												(manganese)	
EMISSION TOTALS													
Potential Emissions lbs/hr								0.04	2.81E-03	0.00E+00	3.59E-05	2.81E-03	2.85E-03
Potential Emissions lbs/day								1.04	6.75E-02	0.00E+00	8.62E-04	6.75E-02	6.83E-02
Potential Emissions tons/year								0.19	1.23E-02	0.00E+00	1.57E-04	1.23E-02	1.25E-02

(manganese)

METHODOLOGY

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions.

Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick
 Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick
 Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)
 Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day
 Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs

Appendix A: Emissions Calculations

**Particulate
Vehicular Traffic (VT)**

Company Name: Central States Fabricating Corp.
Address City IN Zip: 3015 Kenmore Street, South Bend, Indiana 46619
Permit Number: 141-29571-00573
Pit ID: 141-00573
Reviewer: Jack Harmon
Date: September, 2010

0.25 Trips/Hr x
 0.024 Miles/Roundtrip x
 8,760.00 Hours/Year = 51.85 Miles/Year

PM PM10

7.06	1.56	Ef = Emission Factor (lb/mile)
10	2.6	k = (particle size multiplier; k = 10 for PM30/TSP)
4.8	4.8	s = (mean % silt of unpaved roads)
0.5	0.4	b = (constant for PM10; b = 0.5 for PM30/TSP)
0.4	0.3	c = (constant for PM10; c = 0.4 for PM30/TSP)
15	15	W = (tons average vehicle weight)
0.2	0.2	Mdry = (surface material moisture content, %; default is 0.2 for dry conditions)
125	125	p = (number of days with at least 0.254 mm precipitation; Figure 13.2.2-1)

0.18 0.04 Potential Emissions (tons/year)

$$Ef = \{k * [(s/12)^{0.8}] * (W/3)^b / [(Mdry/0.2)^c]\} * [(365-p)/365]$$

Ef x Distance (miles/yr) x 1/2,000 (lb/ton)

AP-42, Chapter 13.2.2, Unpaved Roads



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Mike Cocanower
Central States Fabricating Corporation
3015 Kenmore Street
South Bend, IN 46619

DATE: October 15, 2010

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Registration
141-29571-00573

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Doug Elliot (D&B Environmental Services, Inc)
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 10/15/2010 Central States Fabricating Corporation 141-29571-00573 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Mike Cocanower Central States Fabricating Corporation 3015 Kenmore St South Bend IN 46619 (Source CAATS) via confirmed delivery										
2		Mr. Charles L. Berger Attorney Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
4		Mr. Wayne Falda South Bend Tribune 255 W Colfax Ave South Bend IN 46626 (Affected Party)										
5		South Bend City Council / Mayors Office 227 W. Jefferson Blvd. South Bend IN 46601 (Local Official)										
6		Mr. Doug Elliott D & B Environmental Services, Inc. 401 Lincoln Way West Osceola IN 46561 (Consultant)										
7		St. Joseph County Board of Commissioners 227 West Jefferson Blvd, South Bend IN 46601 (Local Official)										
8		St. Joseph County Health Department 227 W Jefferson Blvd, Room 825 South Bend IN 46601-1870 (Health Department)										
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender 7	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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