



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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

Michael R. Pence
Governor

Carol S. Comer
Commissioner

To: Interested Parties

Date: January 20, 2016

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

Source Name: Cooper Rail Service Inc

Permit Level: Registration

Permit Number: 037-36535-05407

Source Location: 1700 N Van Buren St Huntingburg, IN

Type of Action Taken: Initial Permit

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 matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, select Search option 3, then enter permit 36535.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

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).

(continues on next page)

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.



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**REGISTRATION
OFFICE OF AIR QUALITY**

**Cooper Rail Service
Portable**

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. 037-36535-05407	
Issued by:  Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: January 20, 2016

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 portable crushing plant for recycled concrete and asphalt.

Initial Source Address:	1700 N Van Buren St, Huntingburg, IN 47542
General Source Phone Number:	(812) 683-2120
SIC Code:	1422
County Location:	Dubois County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) Extec I-C13 Impactor (Portable), identified as C1, approved in 2016 for construction, with a maximum capacity of 110 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (b) One (1) Extec S5 Screen (Portable), identified as S1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (c) One (1) McCloskey Stacker identified as ST1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (d) Storage Piles.

- (e) Unpaved roads.

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. 037-36535-05407 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.

B.9 Relocation of Portable Sources [326 IAC 2-14-4]

- (a) This registration is approved for operation in all areas of Indiana,.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to

the intended date of relocation. This submittal shall include the following:

- (1) A list of governmental officials entitled to receive notice of application to relocate. [IC 13-15-3-1]
 - (2) A list of adjacent landowners that the Registrant will send written notice to not more than ten (10) days after submission of the request to relocate. [IC 13-15-8]
 - (3) The new location address of the portable source.
 - (4) Whether or not this portable source will be relocated to another source.
 - (5) If relocating to another source:
 - (A) Name, location address, and permit number of the source this portable source is relocating to.
 - (B) Whether or not the sources will be considered as one source. See Non Rule Policy (NRP) Air-005 and Air-006.
 - (6) If the sources will be considered as one source, whether or not the source to be relocated to has received the necessary approvals from IDEM to allow the relocation.
- (c) A "Relocation Site Approval" letter shall be obtained prior to relocating.
- (d) A valid registration consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

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 5-1-1 (Applicability) and 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 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 an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when located in any of the following areas:
 - (1) Clark County, Jeffersonville Township.
 - (2) Dearborn County, Lawrenceburg Township.
 - (3) Dubois County, Bainbridge Township.
 - (4) Lake County, an area bounded on the north by Lake Michigan, on the west by the Indiana-Illinois state line, on the south by U.S. 30 from the state line to the intersection of I-65 to the intersection of I-94 then following I-94 to the Lake-Porter county line, and on the east by the Lake-Porter county line.
 - (5) Marion County, except the area of Washington Township east of Fall Creek and the area of Franklin Township south of Thompson Road and east of Five Points Road.
 - (6) St. Joseph County, the area north of Kern Road and east of Pine Road.
 - (7) Vanderburgh County, the area included in the city of Evansville and Pigeon Township.
 - (8) Vigo County, the area within a five-tenths (0.5) kilometer radius circle centered at UTM Coordinates Zone 16 East four hundred sixty-four and fifty-two hundredths (464.52) kilometers North four thousand three hundred sixty-nine and twenty-one hundredths (4,369.21) kilometers.
- (c) Opacity shall not exceed an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4, when located in Lake County.
- (d) 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).

Testing Requirements [326 IAC 2-5.1-3(e)(2)]

C.3 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this registration, a test protocol, except as provided elsewhere in this registration, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date.

- (b) The Registrant shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Registrant submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)]

C.4 General Record Keeping Requirements [326 IAC 2-5.1-3(e)(2)]

- (a) 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 Registrant, the Registrant shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this registration, for all record keeping requirements not already legally required, the Registrant shall be allowed up to ninety (90) days from the date of registration issuance or the date of initial start-up, whichever is later, to begin such record keeping.

SECTION D.1 EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description:

(a) One (1) Extec I-C13 Impactor (Portable), identified as C1, approved in 2016 for construction, with a maximum capacity of 110 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

(b) One (1) Extec S5 Screen (Portable), identified as S1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

(c) One (1) McCloskey Stacker identified as ST1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

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

When the source is not in areas covered by 326 IAC 6.5 or 326 IAC 6.8

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

D.1.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the impact crushing, screening and stacking operation shall not exceed 52.24 pounds per hour when operating at a process weight rate of 110 tons per hour in areas other than covered by rules 326 IAC 6.5 or 326 IAC 6.8. The pound per hour limitation was calculated with the following equation:
 Interpolation and extrapolation 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:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

Based on calculations, the control device is not needed to comply with this limit.

Facility/Process	Process Weight rate (ton/hr)	PTE of PM (lbs/hr)	Particulate Emission Limit (lbs/hr)
Impactor	110	0.594	52.24
Screen	400	2.75	66.31
Stacker	400	0.33	66.31

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

SECTION D.2

EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description:

- (a) One (1) Extec I-C13 Impactor (Portable), identified as C1, approved in 2016 for construction, with a maximum capacity of 110 tons/hour.
- This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.
- (b) One (1) Extec S5 Screen (Portable), identified as S1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.
- This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.
- (c) One (1) McCloskey Stacker identified as ST1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.
- This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.
- (d) Storage Piles.
- (e) Unpaved roads.

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

When operating in areas covered by 326 IAC 6.5 and 326 IAC 6.8

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

D.2.1 Particulate [326 IAC 6.5][326 IAC 6.8]

Pursuant to 326 IAC 6.5-1-2(g) and 326 IAC 6.8-1-2(g), particulate emissions from the Impactor, screen, and stacker shall not exceed 0.03 grains per dry standard cubic foot (dscf), when relocating to areas covered by rules 326 IAC 6.5 or 326 IAC 6.8..

D.2.2 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.

**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:	Cooper Rail Service
Address:	Portable
City:	
Phone Number:	(812) 683-2120
Registration No.:	R037-36535-05407

I hereby certify that Cooper Rail Service is:

- still in operation.
- no longer in operation.
- in compliance with the requirements of Registration No. R037-36535-05407.
- not in compliance with the requirements of Registration No. R037-36535-05407.

I hereby certify that Cooper Rail Service is:

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
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Source Name:	Cooper Rail Service Inc
Source Location:	1700 N Van Buren St, Huntingburg, IN 47542
County:	Dubois
SIC Code:	1422
Registration No.:	R037-36535-05407
Permit Reviewer:	Amal Agharkar

On November 25, 2015, the Office of Air Quality (OAQ) received an application from Cooper Rail Service Inc related to the construction and operation of a new portable crushing of recycled concrete and asphalt.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Dubois County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005..	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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 NO_x emissions are considered when evaluating the rule applicability relating to ozone. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
Dubois County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Dubois County has been classified as attainment or unclassifiable in Indiana for list the 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 regulated 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 Cooper Rail Service Inc on November 25, 2015, relating to construction of a portale crushing plant of recycled concrete and asphalt.

The following is a list of the new emission units:

- (a) One (1) Extec I-C13 Impactor (Portable), identified as C1, approved in 2016 for construction, with a maximum capacity of 110 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (b) One (1) Extec S5 Screen (Portable), identified as S1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (c) One (1) McCloskey Stacker identified as ST1, approved in 2016 for construction, with a maximum capacity of 400 tons/hour.

This unit is considered a portable non-road engine as defined in 40 CFR 1068.30, thus the emissions from the combustion are not calculated into the potential to emit calculations.

- (d) Storage Piles.

- (e) Unpaved roads.

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.

Process/ Emission Unit	Potential To Emit of the Entire Source (tons/year)								
	PM	PM10*	PM2.5*	SO ₂	NOx	VOC	CO	Total HAPs	Worst Single HAP
Extec I-C13 Impactor (Portable)	2.60	1.16	1.16	--	--	--	--	--	--
Extec S5 Screen (Portable)	12.05	4.19	4.19	--	--	--	--	--	--
McCloskey Stacker	1.45	0.53	0.53	--	--	--	--	--	--
Storage Piles	0.49	0.17	0.17	--	--	--	--	--	--
Material Handling	0.01	0.01	0.01	--	--	--	--	--	--
Fugitive Emissions(Unpaved Roads)	8.13	2.07	0.21	--	--	--	--	--	--
Total PTE of Entire Source	24.72	8.13	6.25	--	--	--	--	--	--
Exemptions Levels**	< 5	< 5	< 5	< 10	< 10	< 10	< 25	< 2.5	< 1.0
Registration Levels**	< 25	< 25	< 25	< 25	< 25	< 25	< 100	< 25	< 10
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a regulated air pollutant".									

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM, PM₁₀ and PM_{2.5} are within the ranges listed in 326 IAC 2-5.1-2(a)(1). The PTE of all other regulated 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) 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.
- (c) Portable Source
 - (1) Initial Location
This is a portable source and its initial location is 1700 N Van Buren St, Huntingburg, Indiana.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL (326 IAC 12), are not included in the registration, since this source does not process metallic mineral.
- (b) The requirements of the New Source Performance Standard for Phosphate Rock Plants, 40 CFR 60, Subpart NN (326 IAC 12), are not included in the registration since this source is not used in phosphate rock processing.
- (c) The crushing plant is not subject to the New Source Performance Standards for Nonmetallic Mineral Processing Plants (40 CFR 60, Subpart OOO) (326 IAC 12), because this subpart is applicable to crusher, screening operation and belt conveyor in a fixed or portable nonmetallic mineral processing plant for capacities more than 150 tons/hour.
- (d) The requirements of the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart IIII (326 IAC 12), are not included in the registration since the diesel engines associated with the portable Impactor, portable screen, and portable stacker, identified as emission units C1, S1, and ST1, respectively, are each considered non-road engines, as defined at 40 CFR 1068.30 and are not considered stationary internal combustion engines as defined in 40 CFR 60.4219.

Pursuant to 326 IAC 2-5.5 (Registrations), in order to render the requirements of the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII) not applicable, and in order to ensure that the portable Impactor, portable screen, and portable stacker, identified as emission units C1, S1, and ST1, respectively, are each considered a non-road engine, as defined at 40 CFR 1068.30, the Registrant shall comply with the following:

- (1) The portable Impactor, portable screen, and portable stacker shall remain at a location for a period not to exceed twelve (12) consecutive months.
 - (2) Any diesel-fired unit (e.g. impactor, screen, or stacker) that replaces a diesel-fired unit at a location and that is intended to perform the same or similar function as the diesel-fired unit replaced will be included in calculating the consecutive time period.
 - (3) For the purposes of this condition, and pursuant to 40 CFR 1069.30 Nonroad Engine (2)(iii), a location is any single site at a building, structure, facility, or installation.
- (e) The requirements of the New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ (326 IAC 12), are not included in the registration, since all the engines at this source are not spark ignition internal combustion engines.
 - (f) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the registration.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (g) The requirements of the NESHAP for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63.6580, Subpart ZZZZ (326 IAC 20-82) are not included in the registration for the diesel fired engines associated with the portable Impactor, portable screen, and portable stacker, identified as emission units C1, S1, and ST1, respectively, since these units are portable non-

road engines as defined in 40 CFR 1068.30 and are not considered stationary reciprocating internal combustion engines (RICE) as defined in 40 CFR 60.6675.

Pursuant to 326 IAC 2-5.5 (Registrations), in order to render the requirements of the NESHAP for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ) not applicable, and in order to ensure that the portable diesel-fired Impactor, portable screen, and portable stacker, identified as emission units C1, S1, and ST1, respectively, are each considered a non-road engine, as defined at 40 CFR 1068.30, the Registrant shall comply with the following:

- (1) The portable Impactor, portable screen, and portable stacker shall remain at a location for a period not to exceed twelve (12) consecutive months.
 - (2) Any diesel-fired unit (e.g. impactor, screen, or stacker) that replaces a diesel-fired unit at a location and that is intended to perform the same or similar function as the diesel-fired unit replaced will be included in calculating the consecutive time period.
 - (3) For the purposes of this condition, and pursuant to 40 CFR 1069.30 Nonroad Engine (2)(iii), a location is any single site at a building, structure, facility, or installation.
- (i) The requirements of the NESHAP for Asphalt Processing and Asphalt Roofing Manufacturing, 40 CFR 63.8680, Subpart LLLLL (326 IAC 20-71), are not included in the registration, since this facility is not located or part of a major source of HAPs..
 - (j) The requirements of the NESHAP for Area Source Asphalt Processing and Asphalt Roofing Manufacturing, 40 CFR 63.11559, Subpart AAAAAAA, are not included in the registration, since this facility is not an asphalt processing or asphalt roofing manufacturer as defined in 40 CFR 63.11559.
 - (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the registration.

Compliance Assurance Monitoring (CAM)

- (i) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the registration, 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 from each of the emission units. Therefore, none of the emission units are 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)
This source is subject to the opacity limitations specified in 326 IAC 5-1.
- (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 6.8-10 (Lake County: Fugitive Particulate Matter)
The source is not subject to the requirements of 326 IAC 6.8-10, because the source potential fugitive PM₁₀ emissions are less than 5 tons per year.
- (h) 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.
- (i) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (j) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Impactor (C1), Screen (S1), and Stacker (ST1)

- (k) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the impact crushing operation shall not exceed 52.24 pounds per hour when operating at 110 tons/hr and the particulate matter (PM) from the Screening and stacking operation shall not exceed 66.31 pounds per hour when operating at 400 tons/hr. The pound per hour limitation was calculated with the following equation:
Interpolation and extrapolation 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:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

Pursuant to 326 IAC 6-3-2, when the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed that shown in the table in 326 IAC 6-3-2(e)(3), provided the concentration of particulate in the discharge gases to the atmosphere is less than onetenth (0.10) pound per one thousand (1,000) pounds of gases.

Based on calculations, the control device is not needed to comply with this limit.

- (l) 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
Pursuant to 326 IAC 6.5-1-1(a), the source is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10 but has the potential to emit one hundred (100) tons or more of particulate matter per year or actual emissions of ten (10) tons or more of particulate matter per year. Therefore, requirements of 326 IAC 6.5 apply when the source is located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo, or Wayne Counties.

- (m) 326 IAC 6.8 (Particulate Matter Limitations For Lake County)
Pursuant to 326 IAC 6.8-1-1(a), the source is not specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5 and 326 IAC 6.8-8 through 326 IAC 6.8-11 but has the potential to emit one hundred (100) tons or more of particulate matter per year or actual emissions of ten (10) tons or more of particulate matter per year. Therefore, requirements of 326 IAC 6.5 apply when the source is located in Lake County.
- (n) There are no 326 IAC 8 Rules that are applicable to these units.

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 November 25, 2015.

The construction and operation of this source shall be subject to the conditions of the attached proposed Registration No. 037-36535-05407. The staff recommends to the Commissioner that this Registration be approved.

IDEM Contact

- (a) Questions regarding this proposed registration can be directed to Amal Agharkar 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) 232-8422 or toll free at 1-800-451-6027 extension 2-8422.
- (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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emission Calculations
PTE Summary**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Uncontrolled Potential to Emit (tons/year)								
Emission Unit	PM	PM10	PM2.5*	SO2	NOx	VOC	CO	Total HAPs
Extec I-C13 Impactor (Portable) C1	2.60	1.16	1.16					
Extec S5 Screen (Portable) S1	12.05	4.19	4.19					
McCloskey Stacker ST1	1.45	0.53	0.53					
Storage Piles	0.49	0.17	0.17					
Material Handling	0.01	0.01	0.01					
Unpaved Roads	8.13	2.07	0.21					
Total	24.72	8.13	6.26					

**Appendix A: Emission Calculations
Impact Crusher Plant- C1**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Uncontrolled Potential to Emit								326 IAC 6-3-2 Applicability	
Operation Type	Maximum Capacity (tons/hour)	Emission Factor (lbPM/ton)	Emission Factor (lbPM10/ton)	PTE of PM (lbs/hr)	PTE of PM10/PM2.5 (lbs/hr)	PTE of PM (tons/year)	PTE of PM10/PM2.5 (tons/year)	P (tons/hour)	E (lbs/hour)
Impact Crusher Plant- C1	110	0.0054	0.0024	0.594	0.264	2.602	1.156	110	52.24

Note:

Emission factors are from AP-42, Chapter 11.19.2 - Crushed Stone Processing, Table 11.19.2-2 (SCC 3-050030-03) before controls. Number 2 stone is generally between 1 and 2 inches in size. This is considered secondary crushing per AP-42. However no data is available for emission factors for secondary crushing in AP-42. AP-42 does state that emission factors for PM-10 for tertiary crushing can be used as upper limits for primary or secondary crushing. As a result, tertiary crushing emission factors were used. PM2.5 emissions assumed equal to PM10 emissions.

Methodology:

PTE (lbs/hr) = Max. Capacity (tons/hour) * Emission Factor (lb/ton)
PTE (tons/year) = Max. Capacity (tons/hour) * Emission Factor (lb/ton) * 8760 hours/2000 lbs
326 IAC 6-3-2 Applicability: E = 55.0 * P^{0.11 - 40}

**Appendix A: Emission Calculations
Screen- S-1**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Uncontrolled Potential to Emit								326 IAC 6-3-2 Applicability	
Operation Type	Maximum Capacity (tons/hour)	Emission Factor (lbPM/ton)	Emission Factor (lbPM10/t)	PTE of PM (lbs/hr)	PTE of PM10/PM 2.5	PTE of PM (tons/year)	PTE of PM10/PM 2.5	P (tons/hour)	E (lbs/hour)
Screen- S-1	110	0.025	0.0087	2.75	0.957	12.045	4.192	110	52.24

Note:

Emission factors are from AP-42, Chapter 11.19.2 - Crushed Stone Processing, Table 11.19.2-2 Screening (SCC 3-05020-02, 03) before controls. PM2.5 emissions assumed equal to PM10 emissions.

Methodology:

PTE (lbs/hr) = Max. Capacity (tons/hour) * Emission Factor (lb/ton)

PTE (tons/year) = Max. Capacity (tons/hour) * Emission Factor (lb/ton) * 8760 hours/2000 lbs

326 IAC 6-3-2 Applicability: $E = 55.0 * P^{0.11 - 40}$

**Appendix A: Emission Calculations
Stacker- ST1**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Uncontrolled Potential to Emit								326 IAC 6-3-2 Applicability	
Operation Type	Maximum Capacity (tons/hour)	Emission Factor (lbPM/ton)	Emission Factor (lbPM10/t)	PTE of PM (lbs/hr)	PTE of PM10/PM 2.5	PTE of PM (tons/year)	PTE of PM10/PM 2.5	P (tons/hour)	E (lbs/hour)
Stacker- ST1	110	0.003	0.0011	0.33	0.121	1.445	0.530	110	52.24

Note:

Emission factors are from AP-42, Chapter 11.19.2 - Crushed Stone Processing, Table 11.19.2-2 Conveyor Transfer Point (SCC 3-05020-06) before controls.
 PM2.5 emissions assumed equal to PM10 emissions.

Methodology:

PTE (lbs/hr) = Max. Capacity (tons/hour) * Emission Factor (lb/ton)
 PTE (tons/year) = Max. Capacity (tons/hour) * Emission Factor (lb/ton) * 8760 hours/2000 lbs
 326 IAC 6-3-2 Applicability: $E = 55.0 * P^{0.11 - 40}$

**Appendix A: Emission Calculations
Stockpile and Wind Erosion**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$$E_f = 1.7 * (s/1.5) * (365-p) / 235 * (f/15)$$

where E_f = emission factor (lb/acre/day)
 s = silt content (wt %)
 p = 120 days of rain greater than or equal to 0.01 inches
 f = 15 % of wind greater than or equal to 12 mph

Material	Silt Content (wt %) ^a	Emission Factor (lb/acre/day)	Maximum Anticipated Pile Size (acres)	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Sand	2.6	3.07	0.25	0.140	0.049
Gravel	1.6	1.89	1.00	0.345	0.121
Totals				0.49	0.17

Methodology

Limited PTE of PM (tons/yr) = [Emission Factor (lb/acre/day)] * [Maximum Pile Size (acres)] * (ton/2000 lbs) * (8760 hours/yr)

Limited PTE of PM10 (tons/yr) = [Potential PM Emissions (tons/yr)] * 35%

^a Silt content values obtained from AP-42 Table 13.2.4-1 (dated 1/95)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PTE = Potential to Emit

**Appendix A: Emission Calculations
Unpaved Roads**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	2.0	12.0	24.0	34.4	826.1	634	0.120	2.9	1051.2
Vehicle (leaving plant) (one-way trip)	2.0	12.0	24.0	34.4	826.1	634	0.120	2.9	1051.2
Totals			48.0		1652.2			5.8	2102.4

Average Vehicle Weight Per Trip =

34.4

 tons/trip
 Average Miles Per Trip =

0.12

 miles/trip

Unmitigated Emission Factor, $E_f = k \cdot [(s/12)^a] \cdot [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand and Gravel Processing)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	34.4	34.4	34.4	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, $E_{ext} = E \cdot [(365 - P)/365]$
 where P =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	7.74	1.97	0.20	lb/mile
Mitigated Emission Factor, $E_{ext} =$	5.09	1.30	0.13	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	4.07	1.04	0.10	2.67	0.68	0.07	2.67	0.68	0.07
Vehicle (leaving plant) (one-way trip)	4.07	1.04	0.10	2.67	0.68	0.07	2.67	0.68	0.07
Totals	8.13	2.07	0.21	5.35	1.36	0.14	5.35	1.36	0.14

Methodology

Total Weight driven per day (ton/day)	= [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip)	= [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day)	= [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip)	= SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip)	= SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr)	= (Maximum one-way miles (miles/yr)) * (Unmitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
Mitigated PTE (tons/yr)	= (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
Controlled PTE (tons/yr)	= (Mitigated PTE (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations

PM	= Particulate Matter
PM10	= Particulate Matter (<10 um)
PM2.5	= Particulate Matter (<2.5 um)
PTE	= Potential to Emit

**Appendix A: Emission Calculations
Material Handling**

Company Name: Cooper Rail Service
Address City IN Zip: 1700 N Van Buren St, Huntingburg, Indiana 47542
Registration Number: 037-36535-05407
Reviewer: Amal Agharkar
Date: 1/4/2016

Operation Type	Maximum Capacity (tons/hour)	Emission Factor (lb PM10/ton)	PTE of PM10 (tons/hr)	PTE of PM10 (tons/year)	P (tons/hour)	E (lbs/hour)
Loading in Crusher	110	0.000016	0.00176	0.008	110	52.24

Note:

Emission factors are from AP-42, Chapter 11.19.2 - Crushed Stone Processing, Table 11.19.2-2
 PM and PM2.5 emissions assumed to be equal to PM10 emissions

Methodology:

PTE (lbs/hr) = Max. Capacity (tons/hour) * Emission Factor (lb/ton)

PTE (tons/year) = Max. Capacity (tons/hour) * Emission Factor (lb/ton) * 8760 hours/2000 lbs

326 IAC 6-3-2 Applicability: E = 55.0 * P^{0.11} - 40



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

TO: Jennifer Abell
Cooper Rail Service Inc
PO Box 199
Huntingburg, IN 47542

DATE: January 20, 2016

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

SUBJECT: Final Decision
Registration
037-36535-05407

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:
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 8/27/2015

Mail Code 61-53

IDEM Staff	CDENNY 1/20/2016 Cooper Rail Service Inc 037-36535-05407 (final)		Type of Mail: CERTIFICATE OF MAILING ONLY	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		

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											Remarks
1		Jennifer Abell Cooper Rail Service Inc PO Box 199 Huntingburg IN 47542 (Source CAATS)									
2		Huntingburg City Council and Mayors Office 508 E 4th St Huntingburg IN 47542-1319 (Local Official)									
3		Dubois County Commissioners One Courthouse Square Jasper IN 47546 (Local Official)									
4		Mr. Alec Kalla 8733 W. Summit Circle Drive French Lick IN 47432 (Affected Party)									
5		DuBois County Health Department 1187 S St. Charles Street Jasper IN 47546 (Health Department)									
6		John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)									
7		Hopf Equipment, LLC 449 Timberlin Ln Jasper IN 47546 (Affected Party)									
8		John & Leanna Blemker 702 E 12th Street Huntingburg IN 47542 (Affected Party)									
9		Cell Leasing, LLC 1285 W 13th Street Jasper IN 47546 (Affected Party)									
10		Jerry Kays 1263 Ann Lane Jasper IN 47546 (Affected Party)									
11		Tamara Eckert 1610 N Van Buren Street Huntingburg IN 47542 (Affected Party)									
12		AW Resources, LLC 10973 Ridge View Lane Benton IL 62812 (Affected Party)									
13		Lincoln Village LP PO Box 336 Tell City IN 47586 (Affected Party)									
14		The David Ring Trust 9486 S 500 W Huntingburg IN 47542 (Affected Party)									
15											

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