



# 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](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: October 12, 2012

RE: Rea Magnet Wire Company, Inc. / 003-32139i-00013

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

## Notice of Decision: Approval - Effective Immediately

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 13-15-5-3, this permit 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.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require 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  
FNPER.dot12/03/07



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

October 12, 2012

Mr. Brett Kauser, Environmental Engineer  
Rea Magnet Wire Company, Inc.  
4300 New Haven Avenue  
Fort Wayne, IN 46803

Re: Interim Significant Source Modification Approval  
**003-32139I-00013**

Dear Mr. Kauser:

On September 24, 2012, the Office of Air Quality (OAQ) received an interim significant source modification petition from Rea Magnet Wire Company, Inc. located at 4300 New Haven Avenue, Fort Wayne, Indiana 46803. Based on the data and information submitted in the petition and the provisions in 326 IAC 2-13-1, this interim significant source modification petition is hereby approved for:

- a. One (1) weather Rite V26 magnet wire coating operation, identified as Unit 550, permitted in 2012, with an internal thermal oxidizer, (heat input capacity of 0.9 mmBTU/hr), a wire cooler, a sheave cooler, and a wire annealer (with a heat input capacity of 0.2 mmBTU/hr), with a maximum capacity of 1082 pounds of wire per hour, exhausting to Stack #439.

Public notice of the interim significant source modification petition was published on September 25, 2012. The public comment period ended on October 9, 2012. Since there are no comments received during the public comment period, pursuant to 326 IAC 2-13-1(i), the interim significant source modification petition is in effect upon issuance, and expires on the effective date of the final significant source modification permit. The interim significant source modification petition may be revoked after this effective date upon a written finding by the Indiana Department of Environmental Management (IDEM) that any of the reasons for denial in 326 IAC 2-13-1(h) exist or if the final significant source modification is denied. The IDEM has reviewed this interim significant source modification petition and has not found any such reason. The facilities specified in the interim significant source modification petition may be constructed upon issuance of this interim approval. Operational approval will be granted in accordance with 326 IAC 2-7-12.

The interim significant source modification petition is federally enforceable. Detailed construction and operation conditions will be specified in the final significant source modification permit no. 003-32139-00013.

Rea Magnet Wire Company, Inc.  
Fort Wayne, Indiana  
Permit Reviewer: Madhurima D. Moulik

Page 2 of 2  
Interim SSM Approval No. 003-321391-00013

If you have any questions regarding this interim significant source modification petition, please contact Madhurima Moulik of my staff at 317-233-0868, or at 1-800-451-6027 (ask for extension 3-0868).

Sincerely,

A handwritten signature in black ink, appearing to read 'CW', followed by a horizontal line extending to the right.

Chrystal Wagner, Section Chief  
Permit Branch  
Office of Air Quality

Enclosure: Interim SSM Evaluation  
MDM

cc: File -- Allen County  
Allen County Health Department

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**PETITION FOR INTERIM SIGNIFICANT SOURCE MODIFICATION**

Source Name: Rea Magnet Wire Company  
 Source Address: 4300 New Haven Avenue, Fort Wayne, Indiana 46803  
 Mailing Address: 4300 New Haven Avenue, Fort Wayne, Indiana 46803  
 SIC/NAICS Code: 3357

**Description of the Operation or Equipment:**

One (1) weather Rite V26 magnet wire coating operation, identified as Oven #550, with an internal thermal oxidizer, (heat input capacity of 0.9 mmBTU/hr), a wire cooler, a sheave cooler, and a wire annealer (with a heat input capacity of 0.2 mmBTU/hr), with a maximum capacity of 1082 pounds of wire per hour, exhausting to Stack #439

**Potential to Emit:**

<b>PTE Before Controls of Oven #550</b>	
<b>Pollutant</b>	<b>Potential To Emit (ton/yr)</b>
PM	Negligible
PM <sub>10</sub>	Negligible
PM <sub>2.5</sub>	Negligible
SO <sub>2</sub>	Negligible
VOC	188.2
CO	0.4
NO <sub>x</sub>	0.5
CO <sub>2e</sub>	570
Single HAPs	>10
Total HAPs	>25

The VOC control for Oven #550 is provided by an internal thermal oxidizer with a control efficiency of 99% at a minimum temperature of 1300 deg F.

**PSD Requirements:**

The VOC emissions from the Weather Rite V26 identified as Oven #550 shall be less than 40 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Compliance with the above limit shall render 326 IAC 22 (Prevention of Significant Deterioration) not applicable to this significant source modification no. 003-32139-00013.

**NSPS Requirements:**

There is no NSPS rule applicable to this operation or equipment.

**NESHAP Requirements:**

The new Oven #550 is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Metal Parts and Products Coating NESHAP (40 CFR 63, Subpart Mmmm), the following emission units are considered to be part of an existing magnet wire coating affected source.

**State Rules & Requirements:**

The new Oven #550 has potential to emit of VOC of greater than 25 tons per year, and is therefore subject to the requirements under 326 IAC 8-2-8 for magnet wire coating operations.

Compliance with the VOC content and emission limitation shall be determined pursuant to 326 IAC 8-1-2(b), using formulation data supplied by the coating manufacturer- enamel density of 8.18 lb/gal, pounds of enamel pergallons of solid of 7.69, and VOC content of 84%.

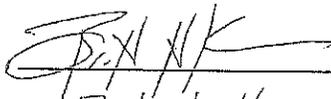
Pursuant to 326 IAC 8-1-2(c), the overall efficiency of the internal thermal oxidizer shall be no less than the equivalent overall calculated efficiency of 95.8%.

The overall efficiency of the thermal oxidizer for Oven #550 shall be equal to or greater than 95.8% or the efficiency required to comply with the limit of 1.7 lb/gal. The control efficiency for the Oven #550 is 99% at a minimum temperature of 1300 deg F and shall ensure that the oven complies with 326 IAC 8-2-8.

**Federal Enforceability:**

The company consents to the federal enforceability of this interim petition.

Signature:



Printed Name:

Brett A. Kausel

Title or Position:

Safety and Environmental Engineer

Phone Number:

260-421-5463

Date:

9/21/12

**Indiana Department of Environmental Management  
Office of Air Quality**

<b>Interim Petition Checklist</b>	
<b>Instructions:</b> (a) Please answer yes or no. (b) Enclosed this checklist with the completed interim petition package.	
<b>Company Name:</b> Rea Magnet Wire	
<b>Location:</b> 4300 New Haven Avenue, Fort Wayne, IN 46803	
yes	1. Is the written interim petition prepared?
yes	2. Is the written petition signed and dated?
yes	3. Is the public notice drafted?
yes	4. Is the filing and review fee enclosed? \$625 for TV, FESOP, and SSOA. \$500 for MSOP.
yes	5. Is the account number written on the check or money order?
yes	6. Is the Affidavit of Construction signed, dated, and notarized?
yes	7. Is the proposed modification/revision described in detail?
yes	8. Is the proposed modification/revision a modification or addition to an existing source?
yes	9. Is the proposed modification/revision located in an attainment area for all the criteria pollutants?
no	10. Is the proposed modification/revision located in a nonattainment area? If yes, answer No. 11.
	11. Is the pollutant, which the nonattainment designation is based on, going to be emitted in this proposed modification/revision?
yes	12. Are potential emissions calculated?
yes	13. Is federal enforceability consent specifically indicated?
yes	14. Are specific conditions, limitations, and/or restrictions included that preclude applicability of PSD?
yes	15. Are specific conditions, limitations, and/or restrictions included that preclude applicability of NSPS?
no	16. Are specific conditions, limitations, and/or restrictions included that preclude applicability of NESHAP?
yes	17. Are specific conditions, limitations, and/or restrictions included that assure compliance with all applicable state air pollution rules?
yes	18. Has a regular modification/revision permit application been submitted to OAQ?
no	19. Has the proposed modification/revision commenced prior to the submission of the interim permit petition?
no	20. The interim petition comment period has been decided to be: 14 calendar days
<b>Additional Comments:</b>	

**NOTICE OF 14 -DAY PERIOD**

**FOR PUBLIC COMMENT**

Proposed Approval of Interim Significant Source Modification

**For Rea Magnet Wire**

**In Allen County**

Notice is hereby given that the above company located at 4300 New Haven Avenue, Indiana, has made application to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for an interim permit to construct a V26 magnet wire coating oven with an internal thermal oxidizer as air pollution control. Based on 8,760 hours per year of operation, the VOC emissions are 1.88 tons per year.

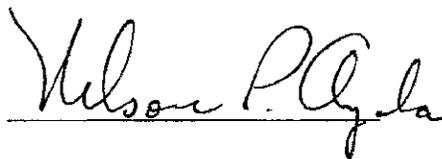
The company has submitted an application for a significant source modification. The OAQ shall review the application in accordance with the Permit Review Rules. Operation of the source cannot commence until a valid operating permit is issued. The construction of the proposed project is entirely at the applicant's own risk.

Notice is hereby given that there will be a period of 14 days from the date of publication of this notice during which any interested person may comment on why this interim permit should or should not be issued. Appropriate comments should be related to air quality issues, interpretation of the applicable state and federal rules, calculations made, technical issues, or the effect that the operation of this facility would have on any aggrieved individuals. A copy of the application and staff review is available for examination at the **Allen County Public Library, 900 Library Plaza, Indiana, 46802**. All comments, along with supporting documentation, should be submitted in writing to the IDEM, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251.

Persons not wishing to comment at this time, but wishing to receive notice of future proceedings conducted related to this action, must submit a written request to the Office of Air Quality (OAQ), at the above address. All interested parties of record will receive a notice of the decision on this matter and will then have 15 days after receipt of the Notice of Decision to file a petition for administrative review. Procedures for filing such a petition will be enclosed with the Notice.

Questions should be directed to OAQ, 10 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 or (317) 233-0178.

Company Official's Signature:



Company Official's Printed Name:

Nelson P. Ayala

Company Name:

Rea Magnet Wire

### Affidavit of Construction

I, Nelson P. Ayala, being duly sworn upon my oath, depose and say:

(Name of the Authorized Representative)

1. I live in Allen County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of VP of Operations for Rea Magnet Wire Company.  
(Title) (Company Name)
3. By virtue of my position with Rea Magnet Wire Company, I have personal  
(Company Name)  
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of Rea Magnet Wire.  
(Company Name)
4. I, the undersigned, have submitted an interim (minor permit revision, significant permit revision, minor source modification, significant source modification) petition to the Office of Air Quality for the construction of Weather Rite Magnet Wire Coating Operation, identified as Oven #550.
5. Rea Magnet Wire Company recognizes the following risks:  
(Company Name)  
(a) own financial risk, (b) that IDEM may require additional or different control technology for the final approval, (c) that IDEM may deny issuance of the final approval, and  
(d) any additional air permitting requirements.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature: Nelson P. Ayala

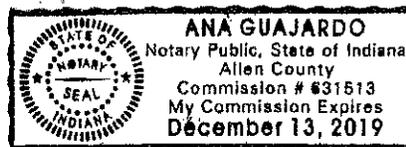
Printed Name: Nelson P. Ayala

Phone No.: 260-421-5584

Date: 9/20/2012

STATE OF INDIANA)

COUNTY OF Allen County )  
<sup>SS</sup>



Subscribed and sworn to me, a notary public in and for

County and State of Indiana on this September 19 day of Twenty first 2012

, 20 12  
My Commission expires: December 13, 2019

Signature: Ana Guajardo

Printed Name: Ana Guajardo

# The Journal Gazette

Account # 1065143 - 1015437

Allen County, Indiana

Rea Magnet Wire Co., Inc.

ATTACH COPY OF ADVERTISEMENT HERE

## PUBLISHER'S CLAIM

### LINE COUNT

Display Master (Must not exceed two actual lines, neither of which shall total more than four solid lines of the type in which the body of the advertisement is set) -- number of equivalent lines \_\_\_\_\_

Head -- number of lines \_\_\_\_\_

Body -- number of lines \_\_\_\_\_

Tail -- number of lines \_\_\_\_\_

Total number of lines in notice 75

### COMPUTATION OF CHARGES

75 lines, 1 column(s) wide equals  
75 equivalent lines at \$ 2.490 cents per line \$ 186.75

Additional charges for notices containing rule or tabular work  
 (50 per cent of above amount) -

Charge for extra proofs of publication  
 (\$1.00 for each proof in excess of two) -

**TOTAL AMOUNT OF CLAIM \$ 186.75**

### DATA FOR COMPUTING COST

Width of single column in picas . . . . 9.8    Size of type . . . . 7point.  
 Number of Insertions . . . . 1

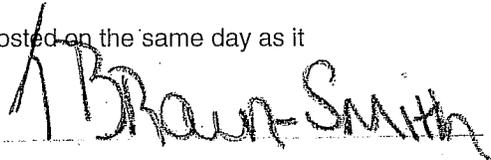
Pursuant to the provisions and penalties of IC 5-11-10-1, I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid.

I also certify that the printed matter attached hereto is a true copy, of the same column width and type size, which was duly published in said paper 1 times.

The dates of publication being as follows:

9/25/2012

Additionally, Newspaper has a Web site and this public notice was posted on the same day as it was published in The Journal Gazette.



T. Brown-Smith  
 Legal Clerk

Date: September 25, 2012

**NOTICE OF 14 -DAY PERIOD  
FOR PUBLIC COMMENT**

Proposed Approval of Interim  
Significant Source Modification  
For Rea Magnet Wire

In Allen County

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The company has submitted an application for a significant source modification. The OAQ shall review the application in accordance with the Permit Review Rules. Operation of the source cannot commence until a valid operating permit is issued. The construction of the proposed project is entirely at the applicant's own risk.

Notice is hereby given that there will be a period of 14 days from the date of publication of this notice during which any interested person may comment on why this interim permit should or should not be issued. Appropriate comments should be related to air quality issues, interpretation of the applicable state and federal rules, calculations made, technical issues, or the effect that the operation of this facility would have on any aggrieved individuals. A copy of the application and staff review is available for examination at the Allen County Public Library, 900 Library Plaza, Indiana, 46802. All comments, along with supporting documentation, should be submitted in writing to the IDEM, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251.

Persons not wishing to comment at this time, but wishing to receive notice of future proceedings conducted related to this action, must submit a written request to the Office of Air Quality (OAQ), at the above address. All interested parties of record will receive a notice of the decision on this matter and will then have 15 days after receipt of the Notice of Decision to file a petition for administrative review. Procedures for filing such a petition will be enclosed with the Notice.

Questions should be directed to OAQ, 10 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 or (317) 233-0178.

Nelson P. Ayala  
Rea Magnet Wire

9--25

1015437



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Questions should be directed to OAQ, 10 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 or (317) 233-0178.

Nelson P. Ayala  
Rea Magnet Wire

9--25

1015437



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204  
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## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Brett Kauser  
Rea magnet Wire Company, Inc.  
4300 New Haven Avenue  
Fort Wayne, In 46803

**DATE:** October 12, 2012

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

**SUBJECT:** Final Decision  
Interim  
003-32139i-00013

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:  
Mike Shannon – Plant Manager  
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](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	GHOTOPP 10/12/2012 Rea Magnet Wire Co. Inc 003-32139i-00013 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:  <b>CERTIFICATE OF MAILING ONLY</b>	

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		Mr. Brett Kauser Rea Magnet Wire Co, Inc 4300 New Haven Ave Ft Wayne IN 46803 (Source CAATS) via confirmed delivery										
2		Mike Shannon Plant Mgr Rea Magnet Wire Co, Inc 4300 New haven Ave Fort Wayne IN 46803 (RO CAATS)										
3		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)										
4		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 (Affected Party)										
5		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 (Local Official)										
6		Mr. John E. Hampton Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 (Affected Party)										
7		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 (Local Official)										
8		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 (Health Department)										
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender	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 <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
<b>7</b>			