

## U.S. Department of Labor

Occupational Safety and Health Administration  
1222 Spruce Street  
Room 9.104  
Saint Louis, MO 63103  
Phone: 314-425-4249 Fax: 314-425-4289



# Citation and Notification of Penalty

**To:**  
FERRO MAGNETICS CORPORATION  
4328 Bridgeton Industrial Drive  
Bridgeton, MO 63044

**Inspection Number:** 1007955  
**Inspection Date(s):** 11/12/2014 – 04/30/2015  
**Issuance Date:** 05/01/2015  
**Reply to the Attention:** Strategic Team Leader

**Inspection Site:**  
4328 Bridgeton Industrial Drive  
Bridgeton, MO 63044

*The violation(s) described in this Citation and Notification of Penalty is (are) alleged to have occurred on or about the day(s) the inspection was made unless otherwise indicated within the description given below.*

This Citation and Notification of Penalty (this Citation) describes violations of the Occupational Safety and Health Act of 1970. The penalty(ies) listed herein is (are) based on these violations. You must abate the violations referred to in this Citation by the dates listed and pay the penalties proposed, unless within 15 working days (excluding weekends and Federal holidays) from your receipt of this Citation and Notification of Penalty **you either call to schedule an informal conference (see paragraph below) or** you mail a notice of contest to the U.S. Department of Labor Area Office at the address shown above. Please refer to the enclosed booklet (OSHA 3000) which outlines your rights and responsibilities and which should be read in conjunction with this form. Issuance of this Citation does not constitute a finding that a violation of the Act has occurred unless there is a failure to contest as provided for in the Act or, if contested, unless this Citation is affirmed by the Review Commission or a court.

**Posting** - The law requires that a copy of this Citation and Notification of Penalty be posted immediately in a prominent place at or near the location of the violation(s) cited herein, or, if it is not practicable because of the nature of the employer's operations, where it will be readily observable by all affected employees. This Citation must remain posted until the violation(s) cited herein has (have) been abated, or for 3 working days (excluding weekends and Federal holidays), whichever is longer.

**Informal Conference** - An informal conference is not required. However, if you wish to have such a conference you may request one with the Area Director during the 15 working day contest period. During such an informal conference you may present any evidence or views which you believe would support an adjustment to the citation(s) and/or penalty(ies).

If you are considering a request for an informal conference to discuss any issues related to this Citation and Notification of Penalty, you must take care to schedule it early enough to allow time to contest after the informal conference, should you decide to do so. Please keep in mind that a written letter of intent to contest must be submitted to the Area Director within 15 working days of your receipt of this Citation. The running of this contest period is not interrupted by an informal conference.

If you decide to request an informal conference, please complete, remove and post the Notice to Employees next to this Citation and Notification of Penalty as soon as the time, date, and place of the informal conference have been determined. Be sure to bring to the conference any and all supporting documentation of existing conditions as well as any abatement steps taken thus far. If conditions warrant, we can enter into an informal settlement agreement which amicably resolves this matter without litigation or contest.

**Right to Contest** – You have the right to contest this Citation and Notification of Penalty. You may contest all citation items or only individual items. You may also contest proposed penalties and/or abatement dates without contesting the underlying violations. **Unless you inform the Area Director in writing that you intend to contest the citation(s) and/or proposed penalty(ies) within 15 working days after receipt, the citation(s) and the proposed penalty(ies) will become a final order of the Occupational Safety and Health Review Commission and may not be reviewed by any court or agency.**

**Penalty Payment** – Penalties are due within 15 working days of receipt of this notification unless contested. (See the enclosed booklet and the additional information provided related to the Debt Collection Act of 1982.) Make your check or money order payable to “DOL-OSHA”. Please indicate the Inspection Number on the remittance. You can also make your payment electronically on [www.pay.gov](http://www.pay.gov). On the left side of the pay.gov homepage, you will see an option to Search Public Forms. Type “OSHA” and click Go. From the results, click on **OSHA Penalty Payment Form**. The direct link is:

<https://www.pay.gov/paygov/forms/formInstance.html?agencyFormId=53090334>.

You will be required to enter your inspection number when making the payment. Payments can be made by credit card or Automated Clearing House (ACH) using your banking information. Payments of \$25,000 or more require a Transaction ID, and also must be paid using ACH. If you require a Transaction ID, please contact the OSHA Debt Collection Team at (202) 693-2170.

OSHA does not agree to any restrictions or conditions or endorsements put on any check, money order, or electronic payment for less than the full amount due, and will process the payments as if these restrictions or conditions do not exist.

**Notification of Corrective Action** – For each violation which you do not contest, you must provide *abatement certification* to the Area Director of the OSHA office issuing the citation and identified above. This abatement certification is to be provided by letter within 10 calendar days after each abatement date. Abatement certification includes the date and method of abatement. If the citation indicates that the violation was corrected during the inspection, no abatement certification is required for that item. The abatement certification letter must be posted at the location where the violation appeared and the corrective action took place or employees must otherwise be effectively informed about abatement activities. A sample abatement certification letter is enclosed with this Citation. In addition, where the citation indicates that *abatement documentation* is necessary, evidence of the purchase or repair of equipment, photographs or video, receipts, training records, etc., verifying that abatement has occurred is required to be provided to the Area Director.

**Employer Discrimination Unlawful** – The law prohibits discrimination by an employer against an

employee for filing a complaint or for exercising any rights under this Act. An employee who believes that he/she has been discriminated against may file a complaint no later than 30 days after the discrimination occurred with the U.S. Department of Labor Area Office at the address shown above.

**Employer Rights and Responsibilities** – The enclosed booklet (OSHA 3000) outlines additional employer rights and responsibilities and should be read in conjunction with this notification.

**Notice to Employees** – The law gives an employee or his/her representative the opportunity to object to any abatement date set for a violation if he/she believes the date to be unreasonable. The contest must be mailed to the U.S. Department of Labor Area Office at the address shown above and postmarked within 15 working days (excluding weekends and Federal holidays) of the receipt by the employer of this Citation and Notification of Penalty.

**Inspection Activity Data** – You should be aware that OSHA publishes information on its inspection and citation activity on the Internet under the provisions of the Electronic Freedom of Information Act. The information related to these alleged violations will be posted when our system indicates that you have received this citation. You are encouraged to review the information concerning your establishment at [www.osha.gov](http://www.osha.gov). If you have any dispute with the accuracy of the information displayed, please contact this office.



## NOTICE TO EMPLOYEES OF INFORMAL CONFERENCE

An informal conference has been scheduled with OSHA to discuss the citation(s) issued on 05/01/2015. The conference will be held by telephone or at the OSHA office located at 1222 Spruce Street, Room 9.104, Saint Louis, MO 63103 on \_\_\_\_\_ at

\_\_\_\_\_. Employees and/or representatives of employees have a right to attend an informal conference.

## CERTIFICATION OF CORRECTIVE ACTION WORKSHEET

Inspection Number: 1007955

Company Name: FERRO MAGNETICS CORPORATION  
Inspection Site: 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044  
Issuance Date: 05/01/2015

List the specific method of correction for each item on this citation in this package that does not read "Corrected During Inspection" and return to: **U.S. Department of Labor – Occupational Safety and Health Administration, 1222 Spruce Street, Room 9.104, Saint Louis, MO 63103**

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

Citation Number \_\_\_\_\_ and Item Number \_\_\_\_\_ was corrected on \_\_\_\_\_  
By (Method of Abatement): \_\_\_\_\_

I certify that the information contained in this document is accurate and that the affected employees and their representatives have been informed of the abatement.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Title

**NOTE: 29 USC 666(g)** whoever knowingly makes any false statements, representation or certification in any application, record, plan or other documents filed or required to be maintained pursuant to the Act shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment of not more than 6 months or both.

**POSTING:** A copy of completed Corrective Action Worksheet should be posted for employee review



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 1** Type of Violation: **Serious**

OSH ACT of 1970 Section (5)(a)(1):

Section 5(a)(1) of the Occupational Safety and Health Act of 1970: The employer did not furnish employment and a place of employment which were free from recognized hazards that were causing or likely to cause death or serious physical harm to employee(s) in that employee(s) were exposed to the hazard of being struck-by:

a/ Inside of the Shipping Area at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were exposed to a struck-by hazard due to a possible unplanned collapse of large storage racks already in use and found to be insufficiently secured near the shipping area.

b/ Inside of the Old Sheet Metal Area at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were exposed to a struck-by hazard due to a possible unplanned collapse of large storage racks already in use and found to be insufficiently secured in the "Old Sheet Metal" area.

One method of abatement to correct this apparent hazard is to anchor each shelving unit with a sufficient number of column base plates and anchor bolts as required by ANSI MH16.1-2012, paragraph 1.4.7.

**DISCLAIMER:**

- a/ The employer is not limited to the abatement methods(s) suggested by OSHA.
- b/ The employer is responsible for selecting and implementing an effective abatement method.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

**U.S. Department of Labor**  
Occupational Safety and Health Administration

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**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
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**Date By Which Violation Must be Abated:**  
**Proposed Penalty:**

**06/18/2015**  
**\$4900.00**

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 2** Type of Violation: **Serious**

29 CFR 1910.132(d)(1): The employer did not assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of personal protective equipment (PPE):

The employer did not adequately assess:

a/ Shipping Department on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to replenish the water level inside of battery cells belonging to fork trucks and were exposed to contact with battery acid.

b/ Assembly Area on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to operate a variety of portable power hand tools and were exposed to struck-by injuries.

c/ Testing station for the fabrication process on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to test transformer components using power supply sources and were exposed to contact with electrical current.

d/ Dip station on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to test transformer lead components using a Slaughter AC HIPOT tester (model 1101-2.5) and were exposed to contact with electrical current.

e/ Dip station on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to dip transformers using a basket into a container holding product number TC0118-06 and were exposed to contact with toxic, caustic or noxious substances.

f/ High frequency testing area on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to test transformer components using Tenma 72-7675 power supply source and were exposed to contact with electrical current.

g/ Assembly line final testing station on the lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees were required to test industrial battery chargers using power supply

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**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
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sources and were exposed to contact with electrical current.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:  
Proposed Penalty:

06/18/2015  
\$4900.00

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**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 3** Type of Violation: **Serious**

29 CFR 1910.133(a)(1): The employer did not ensure that each affected employee used appropriate eye or face protection when exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation:

a/ Inside of the Storage Area, employee(s) replenishing the water levels inside of the battery cells belonging to industrial fork trucks such as the Caterpillar Fork Truck, m/n EP18T, s/n 6MM02656, were not provided with or used suitable eye and face protection.

b/ Inside of the Assembly Area, employee(s) using portable power tools such as the Ryobi Hand Drill, unknown m/n, s/n CS123611N100088, to assemble transformers were not provided with or used suitable eye and/or face protection.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	06/18/2015
Proposed Penalty:	\$3500.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
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**Citation 1 Item 4**    Type of Violation: **Serious**

29 CFR 1910.138(a): The employer did not select and require employees to use appropriate hand protection when employees' hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes:

a/ Dip station at the Lamination Area (lower level of facility at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide suitable gloves for employees who use product TC0118-06, which includes irritation of the eyes and potential harm if skin absorption occurs (rash, itching or dermatitis all listed on the chemical safety data sheet).

b/ Shipping Department at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees who manually add potable water to the individual battery cells belonging to forklifts such as the Caterpillar Forklift, m/n EP18T, s/n 6MM02656, were not wearing suitable hand protection.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	06/18/2015
Proposed Penalty:	\$3500.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 1 Item 5 a** Type of Violation: **Serious**

29 CFR 1910.147(c)(1): The employer did not establish a program consisting of energy control procedures, employee training, and periodic inspections to ensure that before any employee performs any servicing or maintenance on a machine or equipment where the unexpected energizing, startup or release of stored energy could occur and cause injury, the machine or equipment was not isolated from the energy source and rendered inoperative:

a/ Transformer Department (lower level of facility at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer did not develop or implement a lockout/tagout program for employee(s) who service the T & B Crimper Machine, m/n C13600, s/n 1602PP37705.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

Proposed Penalty:

\$4900.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 5 b Type of Violation: **Serious****

29 CFR 1910.147(c)(4)(i): Procedures were not developed, documented and utilized for the control of potentially hazardous energy when employees are engaged in the activities covered by this section:

a/ Transformer Department (lower level of facility at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer did not develop or implement specific lockout/tagout procedures for employee(s) who service the T & B Crimper Machine, m/n C13600, s/n 1602PP37705. This machine operates off of 120 volts, 10,000 p.s.i. hydraulics, and a die return spring.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
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**Citation 1 Item 6** Type of Violation: **Serious**

29 CFR 1910.151(c): Where the eyes or body of any person was exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

a/ Shipping Department at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: Employees who manually add potable water to the individual battery cells belonging to forklifts such as the Caterpillar Forklift, m/n EP18T, s/n 6MM02656, were not provided with suitable facilities for quick drenching or flushing of the eyes and body.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	06/18/2015
Proposed Penalty:	\$3500.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

**Citation 1 Item 7** Type of Violation: **Serious**

29 CFR 1910.178(l)(2)(ii): Training did not consist of a combination of formal instruction (e.g., lecture, discussion, interactive computer learning, video tape, written material), practical training (demonstrations performed by the trainer and practical exercises performed by the trainee), and evaluation of the operator's performance in the workplace:

a/ Lower working level at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: The employer did not ensure employees who operate forklifts such as the Caterpillar Fork Truck, m/n EP18T, s/n 6MM02656, received training that consisted of formal instruction (e.g., lecture, discussion, interactive computer learning, video tape, written material), practical training (demonstrations performed by the trainer and practical exercises performed by the trainee), and evaluation of the operator's performance.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

Proposed Penalty:

\$4900.00

**U.S. Department of Labor**  
Occupational Safety and Health Administration

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**Citation 1 Item 8** Type of Violation: **Serious**

29 CFR 1910.178(p)(1): If at any time a powered industrial truck was found to be in need of repair, defective, or in any way unsafe, the truck was not taken out of service until it had been restored to safe operating condition:

a/ Lower working level at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: The front right solid rubber tire belonging to the Caterpillar Forklift, m/n EP18T, s/n 6MM02656, was badly damaged in that large chunks of rubber were missing throughout its circumference.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:  
Proposed Penalty:

06/18/2015  
\$4900.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



U.S. Department of Labor  
Occupational Safety and Health Administration

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**Citation 1 Item 9** Type of Violation: **Serious**

29 CFR 1910.212(a)(3)(ii): Point(s) of operation (P.O.O.) of machinery were not guarded to prevent employee(s) from having any part of their body in the danger zone(s) during operating cycles:

a/ Transformer Department (lower level of facility at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The P.O.O. belonging to the T & B Crimper Machine, m/n C13600, s/n 1602PP37705, was unguarded. The opening of the die belonging to this machine was approximately one inch.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

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\$4900.00

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**Citation 1 Item 10** Type of Violation: **Serious**

29 CFR 1910.303(a): The conductors and/or equipment required or permitted by this subpart were not approved:

a/ Inside of the high frequency testing department (lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide employees with an approved step-up transformer that was part of the equipment used during the high frequency testing of BIAS Transformers. The voltage generated by the Step-Up Transformer reached 1,200 volts.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:  
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06/18/2015  
\$3500.00



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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 1 Item 11 a**      Type of Violation: **Serious**

29 CFR 1910.305(b)(1)(ii): Unused openings in cabinets, boxes, and fittings were not effectively closed.

Old Welding Area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level):

a/ The 220 volt receptacle box was missing a knockout.

Assembly Area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level):

b/ The electrical disconnect box overlooking the test bench was missing a knockout.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

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**Citation 1 Item 11 b**      Type of Violation: **Serious**

29 CFR 1910.305(b)(2)(i): Pull boxes, junction boxes, and fittings were not provided with covers approved for the purpose:

Lamination Area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level):

a/ A quad-receptacle box was missing its face plate.

b/ A light switch was missing its face plate.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

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**Citation 1 Item 12** Type of Violation: **Serious**

29 CFR 1910.332(b)(1): Employees were not trained in and familiar with the safety-related work practices required by 1910.331 through 1910.335 that pertained to their respective job assignments:

a/ High frequency testing department (lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide adequate instruction to employees in safety-related work practices while working with live leads during the high frequency testing of BIAS Transformers. The voltage amounted to be 1,200 volts. One employee performing this task was electrocuted on or about November 11, 2014.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

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**Citation 1 Item 13** Type of Violation: **Serious**

29 CFR 1910.334(a)(2)(ii): If there was a defect or evidence of damage that might expose an employee to injury, the defective or damaged flexible cord was not removed from service, and no employee may use it until repairs and tests necessary to render the equipment safe have been made:

a/ Old Welding Area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level): The outer insulation belonging to an orange, flexible cord was badly damaged. This flexible cord was supplying 120 volt electrical power to a Dewalt Abrasive Wheel Grinder, m/n DW756, s/n 2010-44-YL-4996.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	06/18/2015
Proposed Penalty:	\$3500.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 1 Item 14 a**      Type of Violation: **Serious**

29 CFR 1910.1200(e)(1): The employer did not develop, implement, and/or maintain at the workplace a written hazard communication program which describes how the criteria specified in 29 CFR 1910.1200(f), (g), and (h) will be met:

a/ Dip station of lamination process (lower level of facility at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide a written hazard communication program that details how labeling (f), safety data sheets (g), or employee training (h) were to be managed. The hazards associated with employee use of product TC0118-06 includes irritation of the eyes and potential harm if skin absorption occurs to include rash, itching or dermatitis.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:	06/18/2015
Proposed Penalty:	\$2100.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

**Citation 1 Item 14 b**

Type of Violation: **Serious**

29 CFR 1910.1200(e)(1)(i): A list of the hazardous chemicals known to be present using a product identifier that was referenced on the appropriate safety data sheet (the list may be compiled for the workplace as a whole or for individual work areas) was not prepared:

a/ A list of hazardous materials used by employees was not prepared.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015





**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 14 c**      Type of Violation: **Serious**

29 CFR 1910.1200(f)(5)(i): The employer did not ensure that each container of hazardous chemicals in the workplace was labeled, tagged, or marked with the identity of the hazardous chemical(s) contained therein:

a/ Lamination area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level): The container partially filled with up to 110 gallons of Epic Resin was not labeled with the appropriate identity of this hazardous chemical.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated: **06/18/2015**



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 14 d**      Type of Violation: **Serious**

29 CFR 1910.1200(f)(5)(ii): Appropriate hazard warnings, or alternatively, words, pictures, symbols, or combination thereof, which provided at least general information regarding the hazards of the chemicals, and which, in conjunction with the other information immediately available to employees under the hazard communication program, did not provide employees with the specific information regarding the physical and health hazards of the hazardous chemical:

a/ Lamination area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level): The container partially filled with up to 110 gallons of Epic Resin was not labeled with the appropriate hazard warning.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 1 Item 14 e**      Type of Violation: **Serious**

29 CFR 1910.1200(h)(3)(iv): The employer did not train employees regarding the new label elements and safety data sheets format:

a/ Lamination area of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044 (lower level): Employees using product number TC0118-06 were not adequately trained in the new label elements and safety data sheets format as of November 11, 2014.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

**Citation 2 Item 1 a** Type of Violation: **Willful**

29 CFR 1910.333(a)(2): Where exposed live parts were not deenergized, other safety related work practices were not used to protect employees who could be exposed to the electrical hazards involved:

a/ High frequency testing department (lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide employees with adequate safety related work practices while working with live leads during the high frequency testing of bias transformers. The voltage amounted to be 1,200 volts. One employee performing this task was electrocuted on or about November 11, 2014.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

Proposed Penalty:

\$49000.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION

**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 2 Item 1 b** Type of Violation: **Willful**

29 CFR 1910.335(a)(1)(i): Employees working in areas where there were potential electrical hazards were not provided with electrical protective equipment that was appropriate for the specific parts of the body that needed to be protected and for the work being performed:

a/ High frequency testing department (lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide employees with adequate personal protective equipment for the hands while working with live leads during the high frequency testing of bias transformers. The voltage amounted to be 1,200 volts. One employee performing this task was electrocuted on or about November 11, 2014.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 2 Item 1 c** Type of Violation: **Willful**

29 CFR 1910.335(a)(2)(ii): Protective shields, protective barriers, or insulating materials were not used to protect each employee from shock, burns, or other electrically related injuries while that employee was working near exposed energized parts:

a/ High frequency testing department (lower level of 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044): The employer failed to provide employees with adequate engineering controls while working with live leads during the high frequency testing process.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 3 Item 1** Type of Violation: **Other-than-Serious**

29 CFR 1910.132(d)(2): The employer did not verify that the required workplace hazard assessment has been performed through a written certification that identifies the workplace evaluated; the person certifying that the evaluation has been performed; the date(s) of the hazard assessment; and, which identifies the document as a certification of hazard assessment:

a/ The workplace hazard assessment was not certified.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

Proposed Penalty:

\$0.00



**Citation and Notification of Penalty**

**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044

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**Citation 3 Item 2** Type of Violation: **Other-than-Serious**

29 CFR 1910.178(l)(6): The employer did not certify that each operator had been trained and evaluated as required by this paragraph (l). The certification did not include the name of the operator, the date of the training, the date of the evaluation, and the identity of the person(s) performing the training or evaluation:

a/ Lower working level at 4328 Bridgeton Industrial Park Drive, Bridgeton, MO 63044: The employer did not certify employees who operate forklifts such as the Caterpillar Fork Truck, m/n EP18T, s/n 6MM02656.

Abatement certification and abatement documentation is required for this violation. The documentation should include written verification of abatement, applicable measurements or monitoring results, and photographs or videos, which you believe will be helpful. The abatement certification sheets are enclosed with the citation(s).

**ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM**

Date By Which Violation Must be Abated:

06/18/2015

Proposed Penalty:

\$0.00

A handwritten signature in dark ink, appearing to read "W. McDonald", written over a horizontal line.

**William McDonald**  
Area Director



U.S. Department of Labor  
Occupational Safety and Health Administration  
1222 Spruce Street  
Room 9.104  
Saint Louis, MO 63103  
Phone: 314-425-4249 Fax: 314-425-4289



## INVOICE / DEBT COLLECTION NOTICE

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**Company Name:** FERRO MAGNETICS CORPORATION  
**Inspection Site:** 4328 Bridgeton Industrial Drive, Bridgeton, MO 63044  
**Issuance Date:** 05/01/2015

<b>Summary of Penalties for Inspection Number</b>	<b>1007955</b>
<b>Citation 1, Serious</b>	<b>\$57400.00</b>
<b>Citation 2, Willful</b>	<b>\$49000.00</b>
<b>Citation 3, Other-than-Serious</b>	<b>\$0.00</b>
<b>TOTAL PROPOSED PENALTIES</b>	<b>\$106400.00</b>

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To avoid additional charges, please remit payment promptly to this Area Office for the total amount of the uncontested penalties summarized above. Make your check or money order payable to: "DOL-OSHA". Please indicate OSHA's Inspection Number (indicated above) on the remittance. You can also make your payment electronically on [www.pay.gov](http://www.pay.gov). On the left side of the pay.gov homepage, you will see an option to Search Public Forms. Type "OSHA" and click Go. From the results, click on **OSHA Penalty Payment Form**. The direct link is <https://www.pay.gov/paygov/forms/formInstance.html?agencyFormId=53090334>. You will be required to enter your inspection number when making the payment. Payments can be made by credit card or Automated Clearing House (ACH) using your banking information. Payments of \$25,000 or more require a Transaction ID, and also must be paid using ACH. If you require a Transaction ID, please contact the OSHA Debt Collection Team at (202) 693-2170.

OSHA does not agree to any restrictions or conditions or endorsements put on any check, money order, or electronic payment for less than the full amount due, and will cash the check or money order as if these restrictions or conditions do not exist.

If a personal check is issued, it will be converted into an electronic fund transfer (EFT). This means that our bank will copy your check and use the account information on it to electronically debit your account for the amount of the check. The debit from your account will then usually occur within 24 hours and will be shown on your regular account statement. You will not receive your original check back. The bank will destroy your

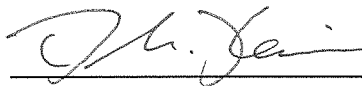
original check, but will keep a copy of it. If the EFT cannot be completed because of insufficient funds or closed account, the bank will attempt to make the transfer up to 2 times.

Pursuant to the Debt Collection Act of 1982 (Public Law 97-365) and regulations of the U.S. Department of Labor (29 CFR Part 20), the Occupational Safety and Health Administration is required to assess interest, delinquent charges, and administrative costs for the collection of delinquent penalty debts for violations of the Occupational Safety and Health Act.

**Interest:** Interest charges will be assessed at an annual rate determined by the Secretary of the Treasury on all penalty debt amounts not paid within one month (30 calendar days) of the date on which the debt amount becomes due and payable (penalty due date). The current interest rate is one percent (1%). Interest will accrue from the date on which the penalty amounts (as proposed or adjusted) become a final order of the Occupational Safety and Health Review Commission (that is, 15 working days from your receipt of the Citation and Notification of Penalty), unless you file a notice of contest. Interest charges will be waived if the full amount owed is paid within 30 calendar days of the final order.

**Delinquent Charges:** A debt is considered delinquent if it has not been paid within one month (30 calendar days) of the penalty due date or if a satisfactory payment arrangement has not been made. If the debt remains delinquent for more than 90 calendar days, a delinquent charge of six percent (6%) per annum will be assessed accruing from the date that the debt became delinquent.

**Administrative Costs:** Agencies of the Department of Labor are required to assess additional charges for the recovery of delinquent debts. These additional charges are administrative costs incurred by the Agency in its attempt to collect an unpaid debt. Administrative costs will be assessed for demand letters sent in an attempt to collect the unpaid debt.



**William McDonald**

Area Director



Date