



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 6-4012-00013/02002  
Effective Date: 05/01/2015 Expiration Date: 04/30/2025

Permit Issued To: HOOSIER MAGNETICS INC  
110 DENNY ST  
OGDENSBURG, NY 13669

Contact: KATE CHEPELEFF  
HOOSIER MAGNETICS INC  
110 DENNY ST  
OGDENSBURG, NY 13669  
(315) 393-1813

Facility: HOOSIER MAGNETICS INC  
110 DENNY ST  
OGDENSBURG, NY 13669

Description:  
HMI manufactures various grades of powdered ferrite. The major air emission sources is a rotary calciner that is used to produce ferrite from various types of materials. The remaining air emissions are from fugitive sources.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: LAWRENCE R AMBEAU  
NYSDEC - REGION 6  
317 WASHINGTON ST  
WATERTOWN, NY 13601

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

**Facility Level**

- Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.



**Condition 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787  
(315) 785-2245

**New York State Department of Environmental Conservation**

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: HOOSIER MAGNETICS INC  
110 DENNY ST  
OGDENSBURG, NY 13669

Facility: HOOSIER MAGNETICS INC  
110 DENNY ST  
OGDENSBURG, NY 13669

Authorized Activity By Standard Industrial Classification Code:  
3264 - PORCELAIN ELECTRICAL SUPPLIES

Permit Effective Date: 05/01/2015

Permit Expiration Date: 04/30/2025



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.7: Maintenance of Equipment
- 2 6 NYCRR 200.7: Compliance Demonstration
- 3 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- \*4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 5 6 NYCRR Subpart 202-1: Compliance Demonstration
- 6 6 NYCRR 211.1: Air pollution prohibited

#### Emission Unit Level

##### EU=H-00001

- \*7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*9 6 NYCRR Subpart 201-7: Capping Monitoring Condition

##### EU=H-00001,Proc=CAL

- 10 6 NYCRR 212.4 (c): Compliance Demonstration

##### EU=H-00001,Proc=CAL,ES=K00C1

- 11 6 NYCRR 200.7: Compliance Demonstration

##### EU=H-00001,Proc=CAL,ES=K00C3

- 12 6 NYCRR 200.7: Compliance Demonstration

##### EU=H-00001,Proc=CAL,ES=K00C4

- 13 6 NYCRR 200.7: Compliance Demonstration
- 14 6 NYCRR 212.6 (a): Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 15 ECL 19-0301: Contaminant List
- 16 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 17 6 NYCRR Subpart 201-5: Emission Unit Definition
- 18 6 NYCRR Subpart 201-5: Compliance Demonstration
- 19 6 NYCRR Subpart 201-5: Compliance Demonstration
- 20 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 21 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 22 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 23 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 24 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,





required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.



(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item F: Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Required Emission Tests - 6 NYCRR 202-1.1**



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

**Item K: Open Fires Prohibitions - 6 NYCRR 215.2**  
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item L: Permit Exclusion - ECL 19-0305**  
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)**  
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Maintenance of Equipment**



Effective between the dates of 05/01/2015 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

**Item 1.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 2: Compliance Demonstration**  
Effective between the dates of 05/01/2015 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 60 days of the effective date of the permit, Hoosier Magnetics must prepare an updated version of the 11/30/2009 Best Management Plan to address the air pollution sources and control devices authorized by this permit and thereafter shall maintain and operate ALL control equipment in accord with the updated Best Management Plan. The restart of calciner line 1 shall include revision and resubmission of the Best Management Plan for approval prior to commercial operation. Records must be maintained to demonstrate all control equipment maintenance, startup, malfunctions, and shutdowns.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 3: Facility Permissible Emissions**  
Effective between the dates of 05/01/2015 and 04/30/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-7

**Item 3.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

New York State Department of Environmental Conservation

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013



CAS No: 000630-08-0 PTE: 190,000 pounds per year

Name: CARBON MONOXIDE

CAS No: 0NY075-00-0 PTE: 190,000 pounds per year

Name: PARTICULATES

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 4: Capping Monitoring Condition**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 4.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

**Item 4.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 4.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 4.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

**New York State Department of Environmental Conservation**

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013



CAS No: 0NY075-00-0 PARTICULATES

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Particulate emissions are limited to 190,000 lbs per year using the following equation, PM emissions of 190,000 lbs/yr < or = [(1.76 lb/ton of clinker produced in kiln 2)(tons of clinker produced per year in kiln 2) + (X lb/ton of clinker produced in kiln 1)(tons of clinker produced per year in kiln 1)]. Where the X lb/ton of clinker produced in kiln 1 is determined by stack test within 180 days of kiln 1 commercial operation. Changes in the emission rate (lb/ton of clinker produced in either kiln) shall be determined by stack test of the kiln. Prior to these changes being instituted in the permit, a permit modification shall be submitted and completed.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: CLINKER

Upper Permit Limit: 190000 pounds per year

Reference Test Method: EPA Method 5

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 5.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: H-00001

Process: CAL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

**New York State Department of Environmental Conservation**

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013



**Monitoring Description:**

Prior to restart of calciner line 1, Hoosier Magnetics must describe to the Department, the emission control equipment it will use to control line 1 emissions and the capabilities of such equipment and must perform a stack test of line 1 emissions in accord with a Department approved protocol, within 180 days of kiln 1 commercial operation.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: Once every three years

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 6: Air pollution prohibited  
Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 6.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 7: Capping Monitoring Condition  
Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 7.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

**Item 7.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**New York State Department of Environmental Conservation**

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013



**Item 7.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 7.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 7.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 7.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 7.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Monitoring of the packed bed scrubber water recirculation rate to maximize the capture of particulates in the scrubber. The scrubber water flowrate is defined as the recirculation rate in the scrubber. The kiln must be operating for this condition to be in effect. Deviations shall be reported annually.

Parameter Monitored: WATER

Lower Permit Limit: 19620 gallons per day

Monitoring Frequency: HOURLY

Averaging Method: 24-HR ROLLING AVG., CALCULATED EA. HR  
AS THE AVG OF THE PAST 24 OPERATING  
HRS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).





**Condition 8: Capping Monitoring Condition**  
Effective between the dates of 05/01/2015 and 04/30/2025

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 8.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

**Item 8.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 8.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 8.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 8.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 8.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 8.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



Stack testing of the calciner is required every 3 years or more frequently if NYSDEC feels it is necessary to assess the emissions from the calciner. The emission limits units pounds per ton of clinker produced.

Upper Permit Limit: 1.9 pounds per ton

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 9: Capping Monitoring Condition**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 9.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

**Item 9.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 9.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 9.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 9.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 9.6:**

The Compliance Demonstration activity will be performed for:



Emission Unit: H-00001

Regulated Contaminant(s):  
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 9.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing of the calciner is required every 3 years or more frequently if NYSDEC feels it is necessary to assess the emissions from the calciner. The emission limits units pounds per ton of clinker produced.

Upper Permit Limit: 3.5 pounds per ton

Reference Test Method: EPA Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR 212.4 (c)**

**Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Process: CAL

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In the instances where determination of permissible emission rate using process weight is not applicable (see Table 5) and for an environmental rating of B or C, emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

The applicable testing shall be determined and submitted for review.

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The compliance testing will be conducted at the discretion of the Department and, within acceptable time frame to valid monitoring or limiting requirements.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.050 grains per dscf  
Reference Test Method: Method 5  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001  
Process: CAL Emission Source: K00C1

Regulated Contaminant(s):  
CAS No: 0NY075-00-0 PARTICULATES

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Hoosier Magnetics must maintain the pressure drop listed below to ensure compliance with particulate emission limits. Facility must monitor pressure drop in the cyclone every hour. Deviations shall be reported annually.

Manufacturer Name/Model Number: Aerodyne Cyclone  
Parameter Monitored: PRESSURE DROP  
Upper Permit Limit: 3.7 inches of water  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 12 calendar month(s).

**Condition 12: Compliance Demonstration**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR 200.7**

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**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Process: CAL

Emission Source: K00C3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Hoosier Magnetics must maintain the pressure drop listed below to ensure compliance with particulate emission limits. Facility must monitor pressure drop in the Munters Mist Eliminator every hour. Deviations shall be reported annually.

Manufacturer Name/Model Number: Munters Mist Eliminator

Parameter Monitored: PRESSURE DROP

Upper Permit Limit: 1.8 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 13: Compliance Demonstration**

**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Process: CAL

Emission Source: K00C4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

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**Monitoring Description:**

Hoosier Magnetics must maintain the pressure drop between the limits listed below to ensure compliance with particulate emission limits. Facility must monitor pressure drop in the Pulse Jet Fabric Filter every hour. Deviations shall be reported annually.

Manufacturer Name/Model Number: Pulse Jet Fabric Filter

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 2.0 inches of water

Upper Permit Limit: 10.0 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable Federal Requirement: 6 NYCRR 212.6 (a)**

**Item 14.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:

Emission Unit: H-00002  
Process: FE2

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

**Monitoring Description:**

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting a Method 9 opacity evaluation at a minimum frequency of once per calendar year, while the source is in normal operating mode.

In addition to the above opacity evaluation, the permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).



The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

If the operator observes any visible emissions (other than steam - see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION  
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 12 calendar month(s).





**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 15: Contaminant List**  
**Effective between the dates of 05/01/2015 and 04/30/2025**



**Applicable State Requirement:ECL 19-0301**

**Item 15.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 000050-32-8

Name: BENZO(A)PYRENE

CAS No: 000053-70-3

Name: DIBENZ[A,H]ANTHRACENE

CAS No: 000056-49-5

Name: 3-METHYLCHOLANTHRENE

CAS No: 000056-55-3

Name: BENZO(A)ANTHRACENE

CAS No: 000057-97-6

Name: 7,12-DIMETHYLBENZ[A]ANTHRACENE

CAS No: 000071-43-2

Name: BENZENE

CAS No: 000074-84-0

Name: ETHANE

CAS No: 000074-98-6

Name: PROPANE

CAS No: 000083-32-9

Name: ACENAPHTHENE

CAS No: 000085-01-8

Name: PHENANTHRENE

CAS No: 000086-73-7

Name: FLUORENE

CAS No: 000091-20-3

Name: NAPHTHALENE

CAS No: 000091-57-6

Name: 2-METHYL NAPHTHALENE

CAS No: 000106-46-7

Name: BENZENE, 1,4-DICHLORO-

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CAS No: 000106-97-8  
Name: BUTANE

CAS No: 000108-88-3  
Name: TOLUENE

CAS No: 000109-66-0  
Name: PENTANE

CAS No: 000110-54-3  
Name: HEXANE

CAS No: 000120-12-7  
Name: ANTHRACENE

CAS No: 000129-00-0  
Name: PYRENE

CAS No: 000191-24-2  
Name: BENZO[G,H,I]PERYLENE

CAS No: 000193-39-5  
Name: INDENO[1,2,3-CD]PYRENE

CAS No: 000205-99-2  
Name: BENZO[B]FLUORANTHENE

CAS No: 000206-44-0  
Name: FLUORANTHENE

CAS No: 000207-08-9  
Name: BENZO[K]FLUORANTHENE

CAS No: 000208-96-8  
Name: ACENAPHTHYLENE

CAS No: 000218-01-9  
Name: CHRYSENE

CAS No: 000630-08-0  
Name: CARBON MONOXIDE

CAS No: 007439-92-1  
Name: LEAD

CAS No: 007440-47-3  
Name: CHROMIUM

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE

CAS No: 007647-01-0

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Name: HYDROGEN CHLORIDE

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 012640-89-0

Name: SELENIUM OXIDE

CAS No: 0NY007-04-0

Name: BERYLLIUM (BE 007)

CAS No: 0NY048-23-0

Name: VANADIUM (V 048)

CAS No: 0NY052-25-0

Name: MANGANESE (MN 052)

CAS No: 0NY057-27-0

Name: COBALT (CO 057)

CAS No: 0NY059-28-0

Name: NICKEL (NI 059)

CAS No: 0NY064-29-0

Name: COPPER (CU 064)

CAS No: 0NY065-30-0

Name: ZINC (ZN 065)

CAS No: 0NY073-33-0

Name: ARSENIC (AS 073)

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY075-02-5

Name: PM 2.5

CAS No: 0NY099-42-0

Name: MOLYBDENUM (MO 099)

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY109-48-0

Name: CADMIUM (CD 109)

CAS No: 0NY131-56-0

Name: BARIUM (BA 131)



CAS No: 0NY197-80-0  
Name: MERCURY (HG 197)

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0  
Name: VOC

**Condition 16: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 16.1:**

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.



**Condition 17: Emission Unit Definition**  
Effective between the dates of 05/01/2015 and 04/30/2025

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 17.1:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: H-00001

Emission Unit Description:

Rotary calciners used to produce ferrite from various raw materials. This emission unit has two emission points and one process.

Building(s): H001

**Item 17.2:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: H-00002

Emission Unit Description:

This emission unit is for fugitive sources.

Building(s): H001

**Condition 18: Compliance Demonstration**  
Effective between the dates of 05/01/2015 and 04/30/2025

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 18.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000050-32-8	BENZO(A)PYRENE
CAS No: 000053-70-3	DIBENZ[A,H]ANTHRACENE
CAS No: 000071-43-2	BENZENE
CAS No: 000074-84-0	ETHANE
CAS No: 000074-98-6	PROPANE
CAS No: 000083-32-9	ACENAPHTHENE
CAS No: 000085-01-8	PHENANTHRENE
CAS No: 000091-20-3	NAPHTHALENE
CAS No: 000106-46-7	BENZENE, 1,4-DICHLORO-
CAS No: 000106-97-8	BUTANE
CAS No: 000108-88-3	TOLUENE
CAS No: 000109-66-0	PENTANE
CAS No: 000110-54-3	HEXANE
CAS No: 000120-12-7	ANTHRACENE
CAS No: 000129-00-0	PYRENE
CAS No: 000205-99-2	BENZO[B]FLUORANTHENE
CAS No: 000206-44-0	FLUORANTHENE
CAS No: 000207-08-9	BENZO[K]FLUORANTHENE



CAS No: 000218-01-9	CHRYSENE
CAS No: 007439-92-1	LEAD
CAS No: 007440-47-3	CHROMIUM
CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007782-50-5	CHLORINE
CAS No: 012640-89-0	SELENIUM OXIDE
CAS No: 0NY007-04-0	BERYLLIUM (BE 007)
CAS No: 0NY048-23-0	VANADIUM (V 048)
CAS No: 0NY052-25-0	MANGANESE (MN 052)
CAS No: 0NY057-27-0	COBALT (CO 057)
CAS No: 0NY059-28-0	NICKEL (NI 059)
CAS No: 0NY064-29-0	COPPER (CU 064)
CAS No: 0NY065-30-0	ZINC (ZN 065)
CAS No: 0NY073-33-0	ARSENIC (AS 073)
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY099-42-0	MOLYBDENUM (MO 099)
CAS No: 0NY109-48-0	CADMIUM (CD 109)
CAS No: 0NY131-56-0	BARIUM (BA 131)
CAS No: 0NY197-80-0	MERCURY (HG 197)
CAS No: 000056-55-3	BENZO(A)ANTHRACENE
CAS No: 000086-73-7	FLUORENE
CAS No: 0NY100-00-0	TOTAL HAP
CAS No: 000191-24-2	BENZO[G,H,I]PERYLENE
CAS No: 000193-39-5	INDENO[1,2,3-CD]PYRENE
CAS No: 000056-49-5	3-METHYLCHOLANTHRENE
CAS No: 000057-97-6	7,12-DIMETHYLBENZ[A]ANTHRACENE
CAS No: 000091-57-6	2-METHYL NAPHTHALENE
CAS No: 0NY075-02-5	PM 2.5
CAS No: 000208-96-8	ACENAPHTHYLENE
CAS No: 0NY998-00-0	VOC

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hoosier Magnetics shall monitor and calculate the emissions of the compounds listed with this condition.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 19: Compliance Demonstration**

Effective between the dates of 05/01/2015 and 04/30/2025

Applicable State Requirement: 6 NYCRR Subpart 201-5

**Item 19.1:**

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The Compliance Demonstration activity will be performed for the Facility.

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Maintain records of material throughput, natural gas usage, and propane use.

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

Subsequent reports are due every 12 calendar month(s).

**Condition 20: Renewal deadlines for state facility permits  
Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR 201-5.2 (c)**

**Item 20.1:**

The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Condition 21: Compliance Demonstration  
Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 21.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 6  
State Office Building  
317 Washington Ave.  
Watertown, NY 13601

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 12 calendar month(s).

**Condition 22: Visible Emissions Limited**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 22.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 23: Emission Point Definition By Emission Unit**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 23.1:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: H-00001

Emission Point: 00001

Height (ft.): 130

Diameter (in.): 36

NYTMN (km.): 4949.9

NYTME (km.): 461.4

Building: H001

**Condition 24: Process Definition By Emission Unit**  
**Effective between the dates of 05/01/2015 and 04/30/2025**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 24.1:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: H-00001

Process: CAL

Process Description:

Calciners used to produce various grades of powdered ferrite.

Emission Source/Control: K00C1 - Control

Control Type: CENTRIFUGAL

Emission Source/Control: K00C2 - Control

Control Type: SCRUBBER - PACKED BED

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Emission Source/Control: K00C3 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: K00C4 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: I00C1 - Process

**Item 24.2:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: H-00002  
Process: FE1  
Process Description: Release of internal air through building openings.

Emission Source/Control: KFE12 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: KFE15 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: KFE17 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: KFE18 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: IFE11 - Process

Emission Source/Control: IFE12 - Process

Emission Source/Control: IFE13 - Process

Emission Source/Control: IFE14 - Process

Emission Source/Control: IFE15 - Process

Emission Source/Control: IFE16 - Process

Emission Source/Control: IFE17 - Process

Emission Source/Control: IFE18 - Process

**Item 24.3:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: H-00002  
Process: FE2  
Process Description:  
Fugitive emissions sources along the plant roadway.



Emission Source/Control: IFE11 - Process

Emission Source/Control: IFE21 - Process

