

Facility DEC ID: 6401200013

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 6-4012-00013/02002
Mod 0 Effective Date: 05/01/2015 Expiration Date: 04/30/2025
Mod 1 Effective Date: 03/28/2025 Expiration Date: 04/30/2025

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

Contact: Dylan Kelley
Hoosier Magnetics, Inc.
110 Denny St
Ogdensburg, NY 13669
(315) 393-1813

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

Description:
The facility manufactures various grades of powdered ferrite. Operations conducted at the facility include raw/product handling, calcining (via a rotary natural gas-fired calciner), and a final product packaging.

The facility is looking to modify their existing permit to reflect changes required by Consent Order R6-20190620-19 and Consent Order R6-20210406-11 between Hoosier and the New York State Department of Environmental Conservation. These changes include additional particulate matter controls on the bucket elevators.

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: JESSICA J HART
NYSDEC - REGION 6
317 WASHINGTON ST
WATERTOWN, NY 13601

Authorized Signature: _____ Date: ___ / ___ / ___

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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.

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

Condition 1-1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1-1.1:

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 1-1.2:

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 1-1.3:

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 1-2: Relationship of this Permit to Other Department Orders and Determinations

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

Item 1-2.1:

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 1-3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-3.1:

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 1-3.2:

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

Item 1-3.3

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.

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Condition 1-4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-4.1:

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 1-5: Submission of application for permit modification or renewal-REGION 6

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 1-5.1:

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

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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OGDENSBURG, NY 13669

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

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

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EU=H-00001,EP=00001

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NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/Mod 1/FINAL

**** 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,

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required to operate such device effectively.

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

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

Item E: 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 F: 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 G: 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 H: Proof of Eligibility for Sources Defined as Trivial

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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 I: 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 J: 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 K: 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 L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

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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 1-1: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 200.7

Item 1-1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On an annual basis, the facility will update and submit to the Department their Best Management Plan (BMP) to address the air pollution sources and control devices authorized by this permit. The updated BMP will go into effect once the Department has given its approval.

To show initial compliance with this condition, the facility will submit an updated BMP with the updates described in the Request to Modify Schedule for Compliance, submitted to the Department on 1/16/2025 along with the following information.

- The facility will install one point-of-use filter control device on the bucket elevator #6, source ID IJFA4 within 6 months of the permit issuance.

- The facility will remove both common elevators #4 and #5, source IDs IFE14 and IJFC2 respectively, and install the proposed pneumatic conveying system from the submittal dated 1/16/2025 within 18 months of permit issuance.

- The facility will no longer operate elevator #2, source ID IJFA2 until the facility installs either a pneumatic conveying system or a point-of-use filter

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control device. As such it can be removed from the BMP.

The facility will follow the compliance deadlines specified in the letter from the Department dated 3/4/2025. Once each change has been made, the facility will notify the Department in writing within 15 calendar days of the change made.

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 1/30/2026.

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

Condition 1-2: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

Item 1-2.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hoosier Magnetics will record and complete inspections of the process monitoring equipment as part of the most recent Department approved Best Management Plan (BMP). Records of documentation and each inspection will be kept on site for a minimum of five years and made available to the Department upon request.

The following process equipment will be inspected or recorded every shift:

- Kiln Visual
- Quench Nozzle #1 Pressure (psig)
- Quench Nozzle #2 Pressure (psig)
- Scrubber Visual Check
- Kiln Static Pressure (in. W.O.)
- Cyclone Pressure Drop (in. W.O.)
- Scrubber Pressure Drop (in. W.O.)
- Primary Fan Setting (Hz)
- Secondary Fan Setting (Hz)
- Fan Visual
- Stack Plume Observation Log

To show compliance with this condition, the facility will

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submit on an annual basis, all recorded deviations and malfunctions including limit warnings.

Monitoring Frequency: PER SHIFT
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-3: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

Item 1-3.1:
 The Compliance Demonstration activity will be performed for the Facility.

Item 1-3.2:
 Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

In accordance with the most recent Best Management Plan (BMP), approved by the Department, the facility will conduct weekly inspection of the equipment on site. In order to comply with this condition, the facility will document and record the inspection. All records pertaining to this condition will be kept on site and available to the Department upon request.

- The following will be inspected on a weekly basis:
- All duct work, checking for leaks
 - Pulse Jet Fabric Filter condition, differential pressure, gauge operation, and filter condition
 - Scrubber and Quench gauges, pumps, magnehelic, city water lines
 - Internal inspection of the Packed Bed Scrubber
 - Internal inspection of the Aerodyne Cyclone
 - BMO Dust Collector condition, differential pressure, gauge operation, filter condition
 - Red Oxide Dust Collector condition, differential pressure, gauge operation, filter condition
 - Finished Product Mills Dust Collectors (1 & 2) condition, differential pressure, gauge operation, filter condition

To show compliance with this condition, the facility will submit on an annual basis, documentation of any maintenance and repairs.

Monitoring Frequency: WEEKLY
 Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-4: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

Item 1-4.1:
 The Compliance Demonstration activity will be performed for the Facility.

Item 1-4.2:
 Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

Hoosier Magnetics will record and complete inspections of the process monitoring equipment as part of the most recent Department approved Best Management Plan (BMP). Records of documentation and each inspection will be kept on site for a minimum of five years and made available to the Department upon request.

The following process equipment information will be documented hourly:

- Kiln Feed
- Kiln Exit Temp (F)
- Cyclone Temp (F)
- Quench Outlet Temp (F)
- Scrubber Outlet Temp (F)
- Scrubber Top/Header Top

To show compliance with this condition, the facility will submit on an annual basis, all recorded deviations and malfunctions.

Monitoring Frequency: HOURLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-5: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 200.7

Item 1-5.1:
 The Compliance Demonstration activity will be performed for the Facility.

Item 1-5.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hoosier Magnetics shall maintain and operate all control equipment in accordance within the most recent Department approved Best Management Plan. Records shall be maintained regarding malfunctions of control devices as well as preventative and reactive maintenance performed on the control devices.

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 1/30/2026.

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

Condition 1-6: Facility Permissible Emissions
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1-6.1:

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:

per year	CAS No: 000630-08-0 (From Mod 1) Name: CARBON MONOXIDE	PTE: 190,000 pounds
per year	CAS No: 0NY075-00-0 (From Mod 1) Name: PARTICULATES	PTE: 190,000 pounds
per year	CAS No: 0NY210-00-0 (From Mod 1) Name: OXIDES OF NITROGEN	PTE: 190,000 pounds

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

Applicable Federal 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.

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Condition 1-7: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 212-1.6

Item 1-7.1:

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

Emission Unit: H-00001 Emission Point: 00001

Emission Unit: H-00002 Emission Point: 00002

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

Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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).

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted in the during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) 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/vent:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry and made available to the Department upon request.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a

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Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer (RAPCE) within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

****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
 Reference Test Method: EPA Method 9
 Monitoring Frequency: DAILY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-8: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 1-8.1:

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

Emission Unit: H-00002	Emission Point: 00002
Process: FE1	Emission Source: POU06

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

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

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No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

The facility will install one (1) point-of-use filter (emission source POU06) on emission source IJFA4 within 6 months of permit issuance.

To show compliance with this condition, the facility will conduct a Method 9 on Emission Point 00002 within 30 days of start-up of the point-of-use Fabric Filters.

Records pertaining to this condition will be kept on site and submitted to the Department on an annual basis and made available upon request.

Upper Permit Limit: 20 percent
 Reference Test Method: EPA Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-9: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-9.1:

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

Emission Unit: H-00002 Process: FE1	Emission Source: PJF10
Emission Unit: H-00002 Process: FE1	Emission Source: PJFF1
Emission Unit: H-00002 Process: FE1	Emission Source: PJFF2
Emission Unit: H-00002 Process: FE1	Emission Source: PJFF3
Emission Unit: H-00002 Process: FE1	Emission Source: PJFF4
Emission Unit: H-00002 Process: FE1	Emission Source: PJFF5

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Facility DEC ID: 6401200013

Emission Unit: H-00002

Process: FE1

Emission Source: PJFF6

Emission Unit: H-00002

Process: FE1

Emission Source: PJFF7

Emission Unit: H-00002

Process: FE1

Emission Source: PJFF8

Emission Unit: H-00002

Process: FE1

Emission Source: PJFF9

Emission Unit: H-00002

Process: FE1

Emission Source: POU06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to ensure particulate matter from Emission point 00002 does not exceed the particulate matter standard, the facility shall operate the following Pulse Jet Fabric Filters. For each control device, the facility shall install and operate a remote leak detection alarm system according to a schedule approved by the Department.

If an alarm is received, a visual inspection will be made to determine the cause of the alarm. After receipt of an alarm, the facility will take the necessary corrective action(s).

The following information will be documented for each control device listed with this condition. Records pertaining to this condition will be kept on site and available to the Department upon request. If a deviation or alarm is found, the facility will perform corrective action as necessary and submit the corrective action information to the Department on a yearly basis.

- Date and time of alarm
- Cause of alarm
- Action required from alarm
- Maintenance on leak detection
- Maintenance on Pulse Jet Fabric Filter

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-10: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-10.1:
 The Compliance Demonstration activity will be performed for the Facility.

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

Item 1-10.2:
 Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure compliance with particulate matter control, the facility will conduct a third-party inspection in accordance with the Department-approved Third Party Inspection Protocol, submitted to the Department on July 21, 2021. The inspection will include the building enclosure and all conveyance and emissions control systems at the facility to ensure proper maintenance and operation. This report shall be submitted directly to the Department.

A third-party inspection will be completed annually with the final report submitted to the Department. Upon receiving three consecutive on-time and Department-approved third-party inspection reports along with continued compliance and completed routine maintenance, additional third-party inspections will only be required upon request by the Department.

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 1/30/2026.

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

Condition 1-11: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-11.1:
 The Compliance Demonstration activity will be performed for the Facility.

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

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

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hoosier Magnetics will complete daily inspections inside and outside of the facility as part of the most recent Department approved Best Management Plan (BMP). Records of each inspection will be kept on site for a minimum of five years and made available to the Department upon request.

Inspection areas include but are not limited to the following:

- Areas with dust control equipment
- Areas with dust generating sources
- Storage areas
- Roof
- Walkways
- Docks
- Vehicle pathways
- Building siding

If fugitive dust emissions are found 2 out of 180 days, practical alternative control strategies for preventing such emissions will be investigated and implemented. Those control strategies include but are not limited to replacing or redesigning operations. If a deviation is found, records of the deviation and control strategies will be submitted on an annual basis.

Monitoring Frequency: DAILY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2026.
Subsequent reports are due every 12 calendar month(s).

Condition 1-12: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-12.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Hoosier Magnetics will conduct maintenance checks of the Elevator Housing as part of the most recent Department approved Best Management Plan (BMP) on a weekly basis. Records of each maintenance check will be kept onsite for a minimum of five years and made available to the Department upon request.

The following equipment will be inspected for any leaks, damages, and failures including their inlet and outlet, seals, gaskets, and flanges:

- BMO Common Elevator
- #3 Mill Elevator
- Silo Fill Elevator
- #1 Clinker Elevator
- #2 Clinker Elevator
- Oxide Pit Elevator
- BMO Silo Unload Elevator

If a repair or replacement is needed, the facility will document the issue found and corrective action(s) taken. The facility will submit annually all deviations found during the weekly maintenance inspections.

Monitoring Frequency: WEEKLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

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

Condition 1-13: Capping Monitoring Condition
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1-13.1:

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 1-13.2:

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

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

Item 1-13.3:

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 1-13.4:

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 1-13.5:

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 1-13.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

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

Item 1-13.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Emissions of Particulate Matter (PM) are limited to 190,000 lbs/yr on a rolling 12-month basis. PM emissions from the facility shall be calculated for each month and incorporated into a rolling 12-month total.

Emissions of PM shall be calculated on a monthly basis using the following equation:

$$\text{PM emissions, lb/month} = [(\text{PM Emission Factor for Kiln 2, lb PM/hr}) \times (\text{Total No. of operating hours for Kiln 2, hrs/month})]$$

The facility shall use the PM emission rate (in lbs/hr) determined from the most recent Department approved stack

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

test.

On an annual basis, the facility will submit a capping certification to the Department which will show a brief summary of emissions subject to the cap.

The facility owner or operator shall maintain a record of all data used to calculate emissions at the facility for a period of at least five years from the date of the last record. Such records shall be provided to the Department upon request.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 190000 pounds per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2026.
Subsequent reports are due every 12 calendar month(s).

Condition 1-14: Capping Monitoring Condition
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1-14.1:

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 1-14.2:

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

Item 1-14.3:

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 1-14.4:

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.

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Facility DEC ID: 6401200013

Item 1-14.5:

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 1-14.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

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

Item 1-14.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Emissions of Oxides of Nitrogen (NO_x) are limited to 190,000 lbs/yr on a rolling 12-month basis. The NO_x emissions from the facility shall be calculated for each month and incorporated into a 12-month rolling total.

Emissions of NO_x shall be calculated on a monthly basis using the following equation:

$$\text{NO}_x \text{ emissions, lbs/month} = [(\text{NO}_x \text{ Emissions Factor for Kiln 2, lb NO}_x/\text{hr}) \times (\text{Total No. of operating hours for Kiln 2, hrs/month})]$$

The facility shall use the NO_x emission rate (in lbs/hr) determined from the most recent Department approved stack test.

On an annual basis, the facility will submit a capping certification to the Department which will show a brief summary of emissions subject to the cap.

The facility owner or operator shall maintain a record of all data used to calculate emissions at the facility for a period of at least five years from the date of the last record. Such records shall be provided to the Department upon request.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 190000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-15: Capping Monitoring Condition
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 1-15.1:

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 1-15.2:

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

Item 1-15.3:

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 1-15.4:

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 1-15.5:

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 1-15.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-15.7:

Compliance Demonstration shall include the following monitoring:

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Capping: Yes

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

Monitoring Description:

Emissions of Carbon Monoxide (CO) are limited to 190,000 lbs/yr on a rolling 12-month basis. CO emissions from the facility shall be calculated for each month and incorporated into a rolling 12-month total.

Emissions of CO shall be calculated on a monthly basis using the following equation:

CO emissions, lb/month = [(CO Emission Factor for Kiln 2, lb CO/hr) x (Total No. of operating hours for Kiln 2, hrs/month)].

The facility shall use the CO emission rate (in lbs/hr) determined from the most recent Department approved stack test.

On an annual basis, the facility will submit a capping certification to the Department which will show a brief summary of emissions subject to the cap.

The facility owner or operator shall maintain a record of all data used to calculate emissions at the facility for a period of at least five years from the date of the last record. Such records shall be provided to the Department upon request.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 190000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2026.

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

Condition 1-16: Compliance Demonstration

Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 1-16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Item 1-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing shall be conducted once every three years.

The facility will submit a test protocol to the Department at least 30 days prior to the proposed test date and submit the final test report within 60 days of the actual test date.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per cubic foot

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE EVERY TEN YEARS

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-17: Compliance Demonstration

Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001

Emission Point: 00001

Process: CAL

Emission Source: K00C1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to ensure that the particulate emissions from Emission Point 00001 do not exceed the particulate matter and opacity standards, the pressure drop across the Aerodyne Cyclone associated with Calciner (Control ID K00C1) shall be monitored and recorded at least once per hour to ensure that the pressure drop is less than or equal to 3.7 inches of water, while the process is in

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operation. If a deviation is found, the facility will take the appropriate corrective action to rectify the issue.

Records of pressure drop readings and maintenance of the control device shall be kept on site and submitted to the Department upon request.

If a deviation is recorded, the facility will submit the information to the Department on a yearly basis along with the corrective action(s) taken.

Manufacturer Name/Model Number: Aerodyne Cyclone
 Parameter Monitored: PRESSURE DROP
 Upper Permit Limit: 3.7 inches of water
 Monitoring Frequency: HOURLY
 Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-18: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 1-18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001	Emission Point: 00001
Process: CAL	Emission Source: K00C2

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

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to ensure that the particulate emissions from Emission Point 00001 do not exceed the particulate matter and opacity standards, the flow rate through the packed bed scrubber associated with Calciner 2 (Control ID K00C2) shall be monitored and recorded at least once per hour to ensure that the flow rate of the recirculated water is greater than or equal to 91 gallons per minute, while the process is in operation. If a deviation is found, the facility will take the appropriate corrective action to

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rectify the issue.

Records of the volumetric flow rate readings and maintenance of the control device shall be kept on site and submitted to the Department upon request.

If a deviation is found, the facility will submit the information to the Department on an annual basis including the corrective action(s) taken.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 91 gallons per minute
 Monitoring Frequency: HOURLY
 Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-19: Compliance Demonstration
 Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 1-19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001	Emission Point: 00001
Process: CAL	Emission Source: K00C3

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

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to ensure that the particulate emissions from Emission Point 00001 do not exceed the particulate matter and opacity standards, the pressure drop across the Mist Eliminator associated with Calciner 2 (Control ID K00C3) shall be monitored and recorded at least once per hour to ensure that the pressure drop is less than or equal to 1.8 inches of water, while the process is in operation. If a deviation is found, the facility will take the appropriate corrective action to rectify the issue.

Records of pressure drop readings and maintenance of the control device shall be kept on site and made available to

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Facility DEC ID: 6401200013

the Department upon request.

If a deviation is found, the facility will submit the information to the Department on an annual basis including the corrective action(s) taken.

Manufacturer Name/Model Number: Mist Eliminator
 Parameter Monitored: PRESSURE DROP
 Upper Permit Limit: 1.8 inches of water
 Monitoring Frequency: HOURLY
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
 SEE MONITORING DESCRIPTION
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2026.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-20: Compliance Demonstration
 Effective between the dates of 03/28/2025 and 04/30/2025

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 1-20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001	Emission Point: 00001
Process: CAL	Emission Source: K00C4

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

Item 1-20.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

In order to ensure that the particulate emissions from Emission Point 00001 do not exceed the particulate matter and opacity standards, the pressure drop across the Pulse Jet Fabric Filter associated with Calciner 2 (Control ID K00C4) shall be monitored and recorded at least once per hour to ensure that the pressure drop is between 2.0 and 10.0 inches of water, while the process is in operation. If a deviation is found, the facility will take the appropriate corrective action to rectify the issue.

Records of pressure drop readings and maintenance of the control device shall be kept on site and submitted to the Department upon request.

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If a deviation is recorded, the facility will submit the information to the Department on an annual basis including the corrective action(s) taken.

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: HOURLY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2026.

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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

(1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) the equipment at the facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) the facility owner 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 any corrective actions taken.

(b) In any enforcement proceeding, the facility owner 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 malfunction provision contained in any applicable requirement.

Item B: 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

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Facility DEC ID: 6401200013

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 C: **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: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Condition 1-21: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 03/28/2025 and 04/30/2025

Applicable State Requirement:6 NYCRR 201-1.4

Replaces Condition(s) 16

Item 1-21.1:

(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 maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility 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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Item 17.1(From Mod 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(From Mod 1):

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

Emission Unit: H-00002

Emission Unit Description:

Fugitive emission sources

Building(s): H001

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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

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

Applicable State 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 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(From Mod 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.): 4950.22 NYTME (km.): 461.657 Building: H001

Item 23.2(From Mod 1):

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

Emission Unit: H-00002

Emission Point: 00002
 Height (ft.): 48 Length (in.): 120 Width (in.): 1
 NYTMN (km.): 4950.208 NYTME (km.): 461.657 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

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Item 24.1(From Mod 1):

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

Emission Unit: H-00001
 Process: CAL Source Classification Code: 3-05-150-02
 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

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(From Mod 1):

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

Emission Unit: H-00002
 Process: FE1 Source Classification Code: 3-05-150-04
 Process Description:
 General process emission sources located within building (or adjacent to building) with emissions of particulate only, where emissions are captured and controlled by fabric filters, and exhausted within the building. Emissions could be indirectly exhausted via EP00002 (roof vent or other building openings).

Emission Source/Control: PJF10 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: PJFF1 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: PJFF2 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: PJFF3 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: PJFF4 - Control
 Control Type: FABRIC FILTER

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Emission Source/Control: PJFF5 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PJFF6 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PJFF7 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PJFF8 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PJFF9 - Control
Control Type: FABRIC FILTER

Emission Source/Control: POU06 - Control
Control Type: DUST COLLECTOR

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: IJF03 - Process

Emission Source/Control: IJF04 - Process

Emission Source/Control: IJF07 - Process

Emission Source/Control: IJF08 - Process

Emission Source/Control: IJF09 - Process

Emission Source/Control: IJF10 - Process

Emission Source/Control: IJFA4 - Process

Emission Source/Control: IJFC2 - Process

Item 24.3(From Mod 1):

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

Emission Unit: H-00002

Process: FE3

Source Classification Code: 3-05-150-02

Process Description:

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

General process emission sources located within building with emissions of particulates only, where emissions are not captured or controlled. Emissions could be indirectly exhausted via EP 00002 (roof vent or other building openings.)

Emission Source/Control: IFU11 - Process

Condition 1-22: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

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

Item 1-22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: H-00001 Emission Point: 00001

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

Item 1-22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

The facility will submit a test protocol to the Department at least 30 days prior to the proposed test date and submit the final test report within 60 days of the actual test date.

Parameter Monitored: CARBON MONOXIDE
 Upper Permit Limit: 3.5 pounds per ton
 Reference Test Method: EPA Method 10
 Monitoring Frequency: ONCE EVERY TEN YEARS
 Averaging Method: Arithmetic average of stack test runs
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-23: Compliance Demonstration
Effective between the dates of 03/28/2025 and 04/30/2025

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

Item 1-23.1:

The Compliance Demonstration activity will be performed for:

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013

Emission Unit: H-00001

Emission Point: 00001

Regulated Contaminant(s):

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

Item 1-23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

The facility will submit a test protocol to the Department at least 30 days prior to the proposed test date and submit the final test report within 60 days of the actual test date.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.9 pounds per ton

Reference Test Method: EPA Method 7E

Monitoring Frequency: ONCE EVERY TEN YEARS

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Permit ID: 6-4012-00013/02002

Facility DEC ID: 6401200013