

Facility DEC ID: 3514800084

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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
 Permit ID: 3-5148-00084/00025
 Effective Date: 01/19/2021 Expiration Date: 01/18/2026

Permit Issued To: NORTHEAST SOLITE CORP
 PO BOX 431
 MOUNT MARION, NY 12456-0431

Contact: ALBERT GALLIANO
 NORTHEAST SOLITE CORP
 PO BOX 437
 MT MARION, NY 12456

Facility: NORTHEAST SOLITE CORPORATION
 962 OLD KINGS HWY
 MT MARION, NY 12456

Description:

Northeast Solite Corporation manufactures lightweight aggregate. Raw material (shale) is quarried, and then heated and expanded in a rotary kiln to form the lightweight aggregate.

The facility consists of a raw material processing area, three rotary kilns, a coal processing area, a lime handling system, and a finished material processing area. Crushers, screens, and conveyors are used in the raw and finished processing areas. Kilns #1 and #2 each have a maximum feed rate (of shale) of 32 tons per hour, and Kiln #3 has a maximum feed rate of 20 tons per hour. Kiln #3 has an associated clinker cooler. Fuel for the kilns include coal and number 2 oil. A permit modification issued in 2017 allowed for the addition of natural gas as a fuel for the kilns.

Emissions of carbon monoxide, oxides of nitrogen (NOx), PM-10, and sulfur dioxide from the facility exceed major source thresholds, and therefore, the facility is required to obtain a Title V permit.

To minimize NOx emissions and comply with NOx reasonably available control requirements, tangential firing of the kilns shall be utilized. There is no emission control equipment that is technologically and economically feasible to reduce NOx emissions from the kilns.

The facility is subject to opacity and particulate emission limits pursuant to 6NYCRR Part 212, and to sulfur content limits pursuant to 6NYCRR Part 225-1.

All crushers and screens were constructed before 1983, and thus 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Processing Plants does not apply. The permit allows for five new conveyors, which will be subject to Subpart OOO. This regulation does not apply to the other conveyors.

Coal processing rate at the facility is less than 200 tons per day, and thus 40 CFR 60 Subpart Y - Standards of Performance for Coal Processing Plants does not apply.

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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: REBECCA S CRIST
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

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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Facility Level

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DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

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 the expiration of permits for Title V and 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.

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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 3
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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NORTHEAST SOLITE CORP

PO BOX 431

MOUNT MARION, NY 12456-0431

Facility: NORTHEAST SOLITE CORPORATION

962 OLD KINGS HWY

MT MARION, NY 12456

Authorized Activity By Standard Industrial Classification Code:

3295 - MINERALS, GROUND OR TREATED

Permit Effective Date: 01/19/2021

Permit Expiration Date: 01/18/2026

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- 28 35 40CFR 60.7(a), NSPS Subpart A: Compliance Certification
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EU=U-00001

- 37 40 6 NYCRR 200.7: Compliance Certification

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- 42 46 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 43 47 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 43 48 6 NYCRR 211.1: Air pollution prohibited

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**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V 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.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of

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planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

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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)

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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 01/19/2021 and 01/18/2026**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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.

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Condition 2: Fees
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

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Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting

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requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related record keeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department’s Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Air Compliance Branch
 USEPA Region 2 DECA/ACB
 290 Broadway, 21st Floor
 New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
 NYSDEC
 21 South Putt Corners Road
 New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
 Bureau of Quality Assurance
 625 Broadway
 Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
 The initial report is due 1/30/2022.
 Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
 The Compliance Certification activity will be performed for the Facility.

Item 7.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 202-2.5

- Item 8.1:**
- (a) The following records shall be maintained for at least five years:
 - (1) a copy of each emission statement submitted to the department; and
 - (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.
 - (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:
 Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall

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be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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 11: Recycling and Salvage
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

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Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

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Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information

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should be submitted to:

Risk Management Plan Reporting Center
 C/O CSC
 8400 Corporate Dr
 Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 21: Emission Unit Definition
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00001

Emission Unit Description:

Three rotary kilns are used in the pyro-processing of shale to produce lightweight aggregate. Fuel for the kilns include bituminous coal, distillate oil, and natural gas. Propane is also used during start-up and occasionally for the short term ignition of coal. Each kiln has an associated scrubber to reduce emissions. Kiln 3 has an associated clinker cooler and conveyors to manage the clinker discharged from the kiln. Alternatively, a bypass chute may be used in place of the clinker cooler and conveyors to manage the discharge from the kiln.

Item 21.2:

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit is the raw material processing area, and includes crushing, screening, and conveying. Raw material is used either as a product or in the production of lightweight aggregate in the three rotary kilns. Finished material, or other aggregates, such as recycled material from off-site, may also be crushed, screened, and conveyed in this processing area.

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Item 21.3:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit is the finished material processing area. Lightweight aggregate material and other aggregates, such as recycled material from off site, are crushed, screened, and conveyed.

Item 21.4:

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

Emission Unit: U-00004

Emission Unit Description:

Coal is processed and conveyed for use as a fuel in the three rotary kilns.

Item 21.5:

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

Emission Unit: U-00005

Emission Unit Description:

Lime is used at the facility to help control pH of the scrubber water. Lime is slurried with water and discharged into the wet scrubber effluent. The lime is stored in a silo equipped with a baghouse. Lime is also mixed with coal in the mill and blown into the kiln with the coal. This is accomplished either by mixing the lime with the coal directly in the coal hopper or via a separate lime hopper and lime screw conveyor that feeds it directly into the coal mill. The lime is stored in a pile under cover and adjacent to the coal processing area.

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 22.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 23: Non Applicable requirements
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (g)

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Item 23.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40 CFR Part 60, Subpart Y
 Reason: The throughput of coal processing and conveying at the facility is less than 200 tons per day. Therefore, this regulation does not apply.

Condition 24: Visible Emissions Limited
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 211.2

Item 24.1:

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.

Condition 25: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

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

Item 25.1:

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

- Emission Unit: U-00001 Emission Point: 000K1
- Emission Unit: U-00001 Emission Point: 000K2
- Emission Unit: U-00001 Emission Point: 000K3

Item 25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No 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.

A Method 9 observation of each kiln stack shall be conducted at least once every six months, except if the

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kiln is shutdown during the entire six month period.
 Observations must be conducted for a minimum of 30 minutes.

A record of each Method 9 observation used to determine compliance with the opacity limit must be kept at the facility for at least five years.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: EPA Method 9
 Monitoring Frequency: SEMI-ANNUALLY
 Averaging Method: 6 MINUTE AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fugitive dust emissions from any process emission source shall not exceed an average opacity during any six consecutive minutes of 20 percent.

To assure compliance with this limit, fugitive emissions will be controlled by the application of water spray on drop points and roads. Water sprays will be checked for proper operation at least quarterly. A record of when the sprays were checked shall be maintained and kept at the facility for at least five years.

The Department can also perform or require a Method 9 opacity evaluation during facility operation.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: EPA Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 212-2.5 (b)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The coal feed rate to Kiln #1 shall not exceed 4.3 tons per hour. The same coal feed rate limit applies to Kiln #2. Each of the two kilns shall have electronic equipment to measure and display the coal feed rate on a 60 minute rolling average. The equipment must include an alarm to indicate when the feed rate is in excess of 4.3 tons per hour. A log will be maintained of all instances when the alarm sounds and the limit is exceeded.

An alternate and backup monitoring system shall also be used to demonstrate compliance with the coal feed rate limit. This monitoring system consists of a front-end loader equipped with a scale. The operator will record the time and quantity of coal added to each coal feed bin. This information will be used to calculate the coal feed rate to each kiln, and will be maintained in a log at the facility.

Electronic data and logs used to determine compliance with the limit shall be kept at the facility for at least five years.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 4.3 tons per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT
 ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

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Condition 28: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 212-2.5 (b)

Item 28.1:

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

Emission Unit: U-00001	Emission Point: 000K3
Process: P02	Emission Source: 000K3

Emission Unit: U-00001	Emission Point: 000K3
Process: P03	Emission Source: 000K3

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Solid particulate emissions from Kiln #3 shall not exceed 29.0 pounds per hour when burning number 2 oil or natural gas. The Department reserves the right to require testing to ascertain compliance with the limit.

Upper Permit Limit: 29.0 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 29: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 212-2.5 (b)

Item 29.1:

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

Emission Unit: U-00001	Emission Point: 000K1
Process: P02	Emission Source: 000K1

Emission Unit: U-00001	Emission Point: 000K2
Process: P02	Emission Source: 000K2

Emission Unit: U-00001	Emission Point: 000K1
Process: P03	Emission Source: 000K1

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Emission Unit: U-00001
 Process: P03

Emission Point: 000K2
 Emission Source: 000K2

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

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Solid particulate emissions from Kiln #1 shall not exceed 36.4 pounds per hour when burning number 2 oil or natural gas. The same limit applies to Kiln #2 when burning number 2 oil or natural gas. The Department reserves the right to require testing to ascertain compliance with the limit.

Upper Permit Limit: 36.4 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 30: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 212-2.5 (b)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
 Process: P01

Emission Point: 000K1
 Emission Source: 000K1

Emission Unit: U-00001
 Process: P01

Emission Point: 000K2
 Emission Source: 000K2

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Solid particulate emissions from Kiln #1 shall not exceed 40.0 pounds per hour when burning coal. The same limit applies to Kiln #2 when burning coal. The Department reserves the right to require the owner or operator to

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conduct testing to ascertain compliance with the limit.

Upper Permit Limit: 40.0 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 31: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall develop separate NOx emission factors for natural gas and coal used to fuel the kilns, and show a NOx emission reduction when using natural gas. This will be accomplished by conducting a stack test within 180 days after commencing kiln operation with natural gas as the fuel, if a stack test for this purpose was not conducted during the previous permit term.

In addition, the test results shall be used to establish and add NOx RACT emission limits for the two fuels to the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 32: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 32.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to minimize NOx emissions, the facility shall utilize tangential firing of the kilns. A log shall be maintained to document the firing configuration. The logs must be kept at the facility for at least five years.

If any new NOx control technology becomes available for the lightweight aggregate industry or related industry, the owner or operator must evaluate the technical and economic feasibility of this technology. The owner or operator must also re-evaluate all NOx control technologies and emission limits upon permit renewal.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 225-1.2 (c)

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires solid fuel are limited to the firing of solid fuel with a sulfur content of 2.5 lbs/mmBtu maximum, 1.9 lbs/mmBtu*** average, and 1.7 lbs/mmBtu**** annual average.

*** Averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive three-month period.

**** Annual averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive 12-month period.

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Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: COAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 2.5 pounds per million Btus
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Monitoring Frequency: PER DELIVERY
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
 TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
 Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 40CFR 60.7(a), NSPS Subpart A

Item 35.1:

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

- | | |
|--|------------------------|
| Emission Unit: U-00003
Process: P10 | Emission Source: 00MB1 |
| Emission Unit: U-00003
Process: P10 | Emission Source: 00MB2 |
| Emission Unit: U-00003
Process: P10 | Emission Source: 00MH1 |
| Emission Unit: U-00003
Process: P10 | Emission Source: FCB16 |
| Emission Unit: U-00003
Process: P10 | Emission Source: FCB17 |

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

- The owner or operator of emission sources subject to 40 CFR 60 shall furnish the delegated authority (NYS DEC Region 3 office) the following written notifications:
- (1) The actual date of initial startup of the applicable emission source postmarked within 15 days after such date:
and
 - (2) The anticipated date for conducting opacity observations required by 40 CFR 60.

Monitoring Frequency: SINGLE OCCURRENCE
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
 Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 40CFR 60.672(b), NSPS Subpart OOO

Item 36.1:

The Compliance Certification activity will be performed for the facility:

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

The Compliance Certification applies to:

Emission Unit: U-00003 Process: P10	Emission Source: 00MB1
Emission Unit: U-00003 Process: P10	Emission Source: 00MB2
Emission Unit: U-00003 Process: P10	Emission Source: 00MH1
Emission Unit: U-00003 Process: P10	Emission Source: FCB16
Emission Unit: U-00003 Process: P10	Emission Source: FCB17

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Visible fugitive emissions from any transfer point on belt conveyors constructed after April 22, 2008 shall not exceed 7 percent opacity. Compliance with the opacity limit must be demonstrated no later than 180 days after initial startup of each affected conveyor.

As stated in 40 CFR 60.675(c)(1), when determining the opacity, the duration of the Method 9 observations must be 30 minutes (five 6-minute averages), and compliance must be based on the average of the five 6-minute averages.

Method 9 observation results must be submitted to the NYS DEC Region 3 office within 30 days after the observation is completed.

The Department can perform or require any subsequent Method 9 observations.

All records used to determine compliance with the opacity limit shall be kept at the facility for at least five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 7 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: Opacity Procedures - Method 9 with Following Additions
Effective between the dates of 01/19/2021 and 01/18/2026**

Applicable Federal Requirement:40CFR 60.675(c)(1), NSPS Subpart OOO

Item 37.1:

In determining compliance with the particulate matter standards in 40 CFR 60.672 (b) and (c), the owner or operator shall use Method – 9 and the procedures in 40CFR 60.11, with the following additions:

- (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- (ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- (iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

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

**Condition 38: Emission Point Definition By Emission Unit
Effective between the dates of 01/19/2021 and 01/18/2026**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 38.1:

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

Emission Unit: U-00001

Emission Point: 000K1

Height (ft.): 80 Diameter (in.): 66
NYTMN (km.): 4655.536 NYTME (km.): 585.059

Emission Point: 000K2

Height (ft.): 80 Diameter (in.): 66
NYTMN (km.): 4655.536 NYTME (km.): 585.059

Emission Point: 000K3

Height (ft.): 80 Diameter (in.): 52
NYTMN (km.): 4655.536 NYTME (km.): 585.059

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Emission Point: K3CLR
Height (ft.): 70 Diameter (in.): 86
NYTMN (km.): 4655.536 NYTME (km.): 585.059

Condition 39: Process Definition By Emission Unit
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 39.1:

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

Emission Unit: U-00001
Process: P01 Source Classification Code: 3-05-009-15
Process Description:
Shale rock is expanded in any of the three rotary kilns
fueled with bituminous coal.

Emission Source/Control: 00DS1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 000K1 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K2 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K3 - Process
Design Capacity: 20 tons per hour

Item 39.2:

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

Emission Unit: U-00001
Process: P02 Source Classification Code: 3-05-009-15
Process Description:
Shale rock is expanded in any of the three rotary kilns
fueled with number 2 oil.

Emission Source/Control: 00DS1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS3 - Control

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Control Type: WET SCRUBBER

Emission Source/Control: 000K1 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K2 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K3 - Process
Design Capacity: 20 tons per hour

Item 39.3:

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

Emission Unit: U-00001
Process: P03 Source Classification Code: 3-05-009-15
Process Description:
Shale rock is expanded in any of the three rotary kilns
fueled with natural gas.

Emission Source/Control: 00DS1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00DS3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 000K1 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K2 - Process
Design Capacity: 32 tons per hour

Emission Source/Control: 000K3 - Process
Design Capacity: 20 tons per hour

Item 39.4:

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

Emission Unit: U-00001
Process: P04 Source Classification Code: 3-05-009-09
Process Description:
Clinker exiting Kiln 3 is cooled in a 6' x 29' cooler
prior to being collected in stockpiles and processed into
lightweight aggregate.

Emission Source/Control: K3CLR - Process

Item 39.5:

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

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Emission Unit: U-00002
 Process: P05 Source Classification Code: 3-05-009-04
 Process Description:

Raw material, finished product, or other aggregate material is crushed in a 30" x 42" jaw crusher (00RC1) and a 5 1/2' cone crusher (00RC2).

Emission Source/Control: 00WS1 - Control
 Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00WS2 - Control
 Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00RC1 - Process

Emission Source/Control: 00RC2 - Process

Emission Source/Control: 00RF1 - Process

Emission Source/Control: 00RH1 - Process

Item 39.6:

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

Emission Unit: U-00002
 Process: P06 Source Classification Code: 3-05-009-04
 Process Description:

Raw material, finished product, or other aggregate material is screened to size in two 7' x 16' screeners (00RS1 and 00RS2).

Emission Source/Control: 00RS1 - Process

Emission Source/Control: 00RS2 - Process

Item 39.7:

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

Emission Unit: U-00002
 Process: P07 Source Classification Code: 3-05-009-05
 Process Description:

Raw material, finished product, or other aggregate material is transported throughout the plant using a series of different sized conveyor belts (0RCB1 to RCB14) and three bucket elevators (00BE1, 00BE2, and 00BE3).

Emission Source/Control: 00WS3 - Control
 Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00BE1 - Process

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Emission Source/Control: 00BE2 - Process

Emission Source/Control: 00BE3 - Process

Emission Source/Control: 00RB1 - Process

Emission Source/Control: 00RB2 - Process

Emission Source/Control: 0RCB1 - Process

Emission Source/Control: 0RCB2 - Process

Emission Source/Control: 0RCB3 - Process

Emission Source/Control: 0RCB4 - Process

Emission Source/Control: 0RCB5 - Process

Emission Source/Control: 0RCB6 - Process

Emission Source/Control: 0RCB7 - Process

Emission Source/Control: 0RCB8 - Process

Emission Source/Control: 0RCB9 - Process

Emission Source/Control: RCB10 - Process

Emission Source/Control: RCB11 - Process

Emission Source/Control: RCB12 - Process

Emission Source/Control: RCB13 - Process

Emission Source/Control: RCB14 - Process

Item 39.8:

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

Emission Unit: U-00003

Process: P08

Source Classification Code: 3-05-009-08

Process Description:

Lightweight aggregate material and other aggregate material is crushed in a 24" x 36" jaw crusher (00FC1) and in two 4 1/4' cone crushers (00FC2 and 00FC3).

Emission Source/Control: 00WS4 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00WS5 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Emission Source/Control: 00FC1 - Process

Emission Source/Control: 00FC2 - Process

Emission Source/Control: 00FC3 - Process

Emission Source/Control: 00FF1 - Process

Emission Source/Control: 00FH1 - Process

Item 39.9:

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

Emission Unit: U-00003

Process: P09

Source Classification Code: 3-05-009-08

Process Description:

Lightweight aggregate material and other aggregate material is screened to size in a 5' x 12' double screener (00FS1) and a 7' x 20' shaker screener (00FS2).

Emission Source/Control: 00FS1 - Process

Emission Source/Control: 00FS2 - Process

Item 39.10:

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

Emission Unit: U-00003

Process: P10

Source Classification Code: 3-05-025-03

Process Description:

Lightweight aggregate material and other aggregate material is transported throughout the plant using a series of different sized conveyor belts (00MB1, 00MB2, 00MH1, 0FCB1 to 0FCB9, and FCB10 to FCB17) and two screw conveyors (0FSC1 and 0FSC2).

Emission Source/Control: 00WS6 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00WS7 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00WS8 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00WS9 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 0WS10 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: 00MB1 - Process

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Emission Source/Control: 00MB2 - Process
Emission Source/Control: 00MH1 - Process
Emission Source/Control: 0FCB1 - Process
Emission Source/Control: 0FCB2 - Process
Emission Source/Control: 0FCB3 - Process
Emission Source/Control: 0FCB4 - Process
Emission Source/Control: 0FCB5 - Process
Emission Source/Control: 0FCB6 - Process
Emission Source/Control: 0FCB7 - Process
Emission Source/Control: 0FCB8 - Process
Emission Source/Control: 0FCB9 - Process
Emission Source/Control: 0FSC1 - Process
Emission Source/Control: 0FSC2 - Process
Emission Source/Control: FCB10 - Process
Emission Source/Control: FCB11 - Process
Emission Source/Control: FCB12 - Process
Emission Source/Control: FCB13 - Process
Emission Source/Control: FCB14 - Process
Emission Source/Control: FCB15 - Process
Emission Source/Control: FCB16 - Process
Emission Source/Control: FCB17 - Process

Item 39.11:

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

Emission Unit: U-00004

Process: P11

Source Classification Code: 3-05-105-03

Process Description:

Bituminous coal is processed for use as a fuel for the three rotary kilns. Coal is loaded into a hopper (00CH1) and then transported via conveyor belts (0CCB1 to 0CCB5)

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to two kiln feed hoppers (00CH2 and 00CH3).

Emission Source/Control: 00CH1 - Process

Emission Source/Control: 00CH2 - Process

Emission Source/Control: 00CH3 - Process

Emission Source/Control: 0CCB1 - Process

Emission Source/Control: 0CCB2 - Process

Emission Source/Control: 0CCB3 - Process

Emission Source/Control: 0CCB4 - Process

Emission Source/Control: 0CCB5 - Process

Item 39.12:

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

Emission Unit: U-00005

Process: P12

Source Classification Code: 3-05-016-13

Process Description:

Lime is used to help control pH of the scrubber water.
Lime is also added to the coal in the mill via a separate hopper (00LH1) and screw conveyor (0LSC1).

Emission Source/Control: 00LH1 - Process

Emission Source/Control: 0LSC1 - Process

Condition 40: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 200.7

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall perform the following:

(1) Daily inspections of the kiln scrubber water discharge to ensure proper flow; and

(2) Quarterly inspections of the kiln scrubber water lines

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and nozzles to ensure proper operation.

All inspections must be documented. Records must be kept at the facility for at least five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement: 6 NYCRR 200.7

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each scrubber must have a pressure gauge to measure differential pressure across the entire scrubber. These gauges must be read and recorded daily if the scrubber is in operation, and must be maintained in proper working order. The facility will ensure that the differential pressure remains between 0.5 and 3.5 inches of water. If the differential pressure falls outside of this range, the scrubber and differential pressure gauge shall be inspected and the appropriate corrective action taken. All maintenance and corrective actions must be documented. Differential pressure and maintenance records must be kept at the facility for at least five years.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.5 inches of water

Upper Permit Limit: 3.5 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

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Condition 42: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (b) (3)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each scrubber must be in operation whenever the associated kiln is in operation.

Each kiln must have fuel shut-off interlocks. These interlocks will be controlled by flow sensing devices located on the scrubber water inlets and will shut off kiln fuel whenever there is an interruption of water flow to the scrubber.

Testing of the kiln fuel shut-off interlocks must occur every three months and may occur during routine kiln maintenance. All testing shall be documented. Records shall be kept at the facility for at least five years.

Monitoring Frequency: QUARTERLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

Applicable Federal Requirement:6 NYCRR 212-2.5 (b)

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 000K3

Process: P01

Emission Source: 000K3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Permit ID: 3-5148-00084/00025

Facility DEC ID: 3514800084

Monitoring Description:

Solid particulate emissions from Kiln #3 shall not exceed 32.5 pounds per hour when burning coal. The Department reserves the right to require the owner or operator to conduct testing to ascertain compliance with the limit.

Upper Permit Limit: 32.5 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Certification

Effective between the dates of 01/19/2021 and 01/18/2026

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

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: K3CLR

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Visible emissions from the clinker cooler shall not exceed an average opacity of 20 percent in any six consecutive minutes. The Department can perform or require the performance of a Method 9 opacity observation. A record of each Method 9 observation performed by the owner or operator to determine compliance with the opacity limit must be kept at the facility for at least five years.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

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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 by 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 be demonstrated 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 permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner 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 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 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 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

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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 applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 45: Contaminant List
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable State Requirement:ECL 19-0301

Item 45.1:

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

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

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

Condition 46: Malfunctions and start-up/shutdown activities
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable State Requirement:6 NYCRR 201-1.4

Item 46.1:

(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

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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 47: CLCPA Applicability
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 47.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 48: Air pollution prohibited
Effective between the dates of 01/19/2021 and 01/18/2026

Applicable State Requirement:6 NYCRR 211.1

Item 48.1:

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.

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