

Facility DEC ID: 3552200087

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-5522-00087/00019
Effective Date: 07/20/2020 Expiration Date: 07/19/2025

Permit Issued To: CERTAINTEED GYPSUM BUCHANAN, LLC
350 BROADWAY
BUCHANAN, NY 10511

Contact: SCOTT WALTON
451 BROADWAY
BUCHANAN, NY 10511

Facility: CONTINENTAL BUCHANAN LLC
350 BROADWAY
BUCHANAN, NY 10511-1010

Contact: SCOTT WALTON
451 BROADWAY
BUCHANAN, NY 10511

Description:

This is the third renewal of the Site's Title V Permit and it is also addressing Ren 2-Mod 2 changes which are described below:
Ren 2-Mod 2 was submitted in April 2016 and had been placed on hold until the Facility was able to collect more data pertaining to emissions of formaldehyde which were attributed to the use of a new additive (product) to a small fraction of their gypsum board production. The 2016 submission was an application for a significant modification.

A revision of Ren 2-Mod 2, as a minor air permit modification, was later resubmitted on October 12, 2017. The revision was based on the emissions data gathered from sister plant located in Palatka, FA which indicated that even though the formaldehyde emissions were much lower than previously anticipated, the formaldehyde emission rates were very close to the AGC values. Hence, in a meeting on February 8, 2018, NYSDEC requested that a T-BACT analysis be submitted.

On March 14, 2018, the Site submitted the T-BACT analysis along with corrections to the Ren 2-Mod 2 application.

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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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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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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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350 BROADWAY
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Facility: CONTINENTAL BUCHANAN LLC
350 BROADWAY
BUCHANAN, NY 10511-1010

Authorized Activity By Standard Industrial Classification Code:
3275 - GYPSUM PRODUCTS

Permit Effective Date: 07/20/2020

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- 8 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 8 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 11 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 13 7 6 NYCRR 202-2.1: Compliance Certification
- 13 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 13 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 14 10 6 NYCRR 200.7: Maintenance of Equipment
- 15 11 6 NYCRR 201-1.7: Recycling and Salvage
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- 15 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 15 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 16 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 17 18 6 NYCRR 202-1.1: Required Emissions Tests
- 17 19 40 CFR Part 68: Accidental release provisions.
- 17 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 18 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 22 23 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 22 24 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- 22 *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 24 *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 25 27 6 NYCRR Subpart 202-1: Compliance Certification
- 26 28 6 NYCRR Subpart 202-1: Compliance Certification
- 26 29 6 NYCRR Subpart 202-1: Compliance Certification
- 27 30 6 NYCRR 211.2: Visible Emissions Limited
- 27 31 6 NYCRR 212-2.4 (b): Compliance Certification
- 28 32 6 NYCRR 212-3.1 (c) (1): Compliance Certification
- 29 33 6 NYCRR 227-1.3 (a): Compliance Certification
- 30 34 40CFR 60.672(b), NSPS Subpart OOO: Compliance Certification
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- 33 36 40CFR 60.672(b), NSPS Subpart OOO: Compliance Certification
- 33 37 40CFR 60.672(e), NSPS Subpart OOO: Compliance Certification
- 34 38 40CFR 60.672(e), NSPS Subpart OOO: Compliance Certification
- 35 **Emission Unit Level**
- 35 39 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 36 40 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=0-00E17

- 52 41 6 NYCRR 212-1.5 (g): Compliance Certification

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- 53 42 40CFR 60.8, NSPS Subpart A: Compliance Certification
- 54 43 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.

EU=0-00E17,EP=0PT17

- 54 44 6 NYCRR 212-1.6 (a): Compliance Certification

EU=0-00E30,EP=0PT30

- 56 45 6 NYCRR 227-2.4 (g): Compliance Certification
- 56 46 40CFR 60, NSPS Subpart UUU: Compliance Certification
- 57 47 40CFR 60, NSPS Subpart UUU: Compliance Certification

EU=0-00E31

- 58 48 6 NYCRR 212-1.6 (a): Compliance Certification
- 59 49 40 CFR Part 64: Compliance Certification
- 60 50 40 CFR Part 64: Compliance Certification

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- 63 51 6 NYCRR 212-1.3: Compliance Certification

EU=0-00E38,EP=0PT38,Proc=PRP

- 63 52 6 NYCRR 212-1.5 (d): Compliance Certification
- 64 53 6 NYCRR 212-1.5 (d): Compliance Certification
- 65 54 6 NYCRR 212-1.5 (d): Compliance Certification

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- 68 55 ECL 19-0301: Contaminant List
- 68 56 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 69 57 6 NYCRR 201-6.5 (a): CLCPA Applicability
- 69 58 6 NYCRR 211.1: Air pollution prohibited
- 70 59 6 NYCRR 221.2: Asbestos containing surface coatings prohibited

NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/FINAL

**** 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 07/20/2020 and 07/19/2025**

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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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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 1/30/2021.

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

Condition 6: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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 Region 3 Suboffice
 100 Hillside Avenue, #1W
 White Plains, NY 10603

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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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 be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective between the dates of 07/20/2020 and 07/19/2025**

Applicable Federal Requirement: 6 NYCRR 200.7

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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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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

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 07/20/2020 and 07/19/2025

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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 07/20/2020 and 07/19/2025**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 07/20/2020 and 07/19/2025**Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)****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

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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 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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 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 07/20/2020 and 07/19/2025

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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 07/20/2020 and 07/19/2025

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: 0-000F1

Emission Unit Description:

This emission unit represents the clamshell crane, the unloading hopper, the bin discharger and the belt conveyor. This emission unit's components are employed to convey natural (raw) or synthetic gypsum or both from the vessels up to the storage sheds. In addition, this unit represents emissions from the wind erosion of synthetic or natural gypsum stock piles. The conveyor can operate at a rate of 1,850 tons/hr.

Building(s): NONE

Item 21.2:

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

Emission Unit: 0-000F2

Emission Unit Description:

This emission unit represents the emission sources located inside the rock hopper building, the dump hopper, the J.C. Steele Feeder and the transfer belt conveyor.

Building(s): NONE

Item 21.3:

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

Emission Unit: 0-000F3

Emission Unit Description:

This emission unit represents a) all of the fugitive-natural-(raw)-gypsum particulate-emissions-sources associated with the crusher building which are not regulated by a NSPS and b) all the

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fugitive-synthetic-gypsum-particulate emissions-sources associated with the short transfer screw, and the end trim elevator.

Building(s): NONE

Item 21.4:

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

Emission Unit: 0-000F4

Emission Unit Description:

Physical modification of the existing 300 ton stucco storage bins 1 to 3 (EU-000F4, Process 00C) dust collector equipment. Each of the stucco storage bins is controlled by an identical dust collector, so three dust collectors were upgraded as part of the R 2 Mod 1 modification application.

Building(s): MAIN PLANT

Item 21.5:

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

Emission Unit: 0-000F5

Emission Unit Description:

This emission unit represents all of the fugitive particulate sources associated with the newly installed equipment inside the plant that are regulated by a NSPS.

Building(s): MAIN PLANT

Item 21.6:

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

Emission Unit: 0-000F6

Emission Unit Description:

This emission unit covers the rock crusher and associated equipment located inside the crusher building. The rock crusher is subject to NSPS Subpart OOO.

Building(s): CRUSHER

Item 21.7:

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

Emission Unit: 0-000F7

Emission Unit Description:

This emission unit covers the gypsum waste crusher, feeder, hopper and associated conveying equipment inside the crusher building. The crusher and feeder, located inside the crusher building, is subject to NSPS Subpart OOO requirements.

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Building(s): CRUSHER

Item 21.8:

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

Emission Unit: 0-00E17

Emission Unit Description:

The Landplaster Mill (LP Mill) consists of a low NO_x burner with maximum heat input capacity of 0.70 MMBtu/hr. The unit includes a double cone classifier, air heater, system fan, dust collector and connective duct work. NO_x emissions for the LP Mill burner are calculated based on ventor guarantee emission factors.

Building(s): LP Mill

Item 21.9:

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

Emission Unit: 0-00E30

Emission Unit Description:

This emission unit comprises the Calcining Mill system. The system consists of an 111 mmbtu/hr natural gas operated Low NO_x burner and it is designed to further grind natural or synthetic gypsum while removing free moisture and chemically bound water from the gypsum, forming stucco. The combined process stream consisting of stucco and combustion byproducts is vented through a bag house system to separate stucco from gas. Bag house performance is based on a pressure differential which is set in accordance with manufacturer's recommendations.

Building(s): MILL

Item 21.10:

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

Emission Unit: 0-00E31

Emission Unit Description:

This emission unit consists of a stucco cooling system that vents to a dedicated baghouse.

Building(s): MILL

Item 21.11:

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

Emission Unit: 0-00E32

Emission Unit Description:

This emission unit comprises all air contamination sources located in the "dry additives" area.

Building(s): PLANT

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Item 21.12:

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

Emission Unit: 0-00E33

Emission Unit Description:

This emission unit comprise the end trim saw process and its associated controls.

Building(s): PLANT

Item 21.13:

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

Emission Unit: 0-00E38

Emission Unit Description:

This emission unit consists of a board dryer. The dryer has a maximum heat input capacity of 157 mmbtu/hr.

Building(s): PLANT

Item 21.14:

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

Emission Unit: 0-00E39

Emission Unit Description:

Aerosol Emptying System - Fugitive Emissions of VOC - Insignificant emissions activity

An insignificant VOC emissions increase of about 0.0125 tons/year has been documented. This amount constitute insignificant increase and it is attributed to various types of aerosol can products that are used within the facility for maintenance activities.

Before properly disposing of aerosol cans, their contents are emptied at two aerosol can puncturing stations. The equipment is an "off the self" system that punctures a hole in the can to release pressure and allows its contents to empty into an attached 55-gallon drum. The outlet of the drum is fitted to capture mists and VOCs. The filters are changed when they are full. The drums are disposed of as a hazardous waste. The aerosol can emptying system has been in place at the site since 2011.

The aerosol can emptying system may produce minimal amounts of fugitive VOC emissions. It is estimated that approximately 250 lbs of flammable liquids and propellants from aerosol cans may be captured and disposed of in drums each year. It is expected that the control system (drum and filters) will capture at least 90% of the evacuated material. Thus the process will generate less than 25 lbs/yr of VOC.

Building(s): MAIN PLANT

Condition 22: Progress Reports Due Semiannually

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Effective between the dates of 07/20/2020 and 07/19/2025

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 07/20/2020 and 07/19/2025

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

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.

6 NYCRR 231-11.2 (a)
 Emission Unit: 0000F4
 Reason: Ren 2 Mod 2 project was not subject to part 231, since the Project Emissions Potential (2.19 tpy) was not greater than the Significant Project Threshold (25 tpy) for Particulates, PM10 and PM2.5.

Condition 24: Facility Permissible Emissions

Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

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:

CAS No: 0NY210-00-0 PTE: 80,300 pounds per year
 Name: OXIDES OF NITROGEN

Condition 25: Capping Monitoring Condition

Effective between the dates of 07/20/2020 and 07/19/2025

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087

Applicable Federal Requirement:6 NYCRR Subpart 201-7**Item 25.1:**

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 Subpart 231-2

Item 25.2:

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

Item 25.3:

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 25.4:

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 25.5:

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 25.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The combined NO_x emissions from the existing Calcining mill, new Landplaster Mill, and the existing Board Dryer are capped to 40.15 tons per year (EUs 00017, 00039 and 00038). The Facility shall maintain fuel records based on which the annual NO_x emissions (rolled monthly) will be calculated. NO_x emissions shall be submitted

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semiannually.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 40.15 tons per year
 Reference Test Method: N/A
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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 Subpart 231-2

Item 26.2:

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

Item 26.3:

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 26.4:

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 26.5:

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 26.6:

The Compliance Certification activity will be performed for the Facility.

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Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The Facility is capping out of 231-2 by limiting the
annual natural gas usage to the stated limit.

Manufacturer Name/Model Number: N/A

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 2,125,790,000 cubic feet

Reference Test Method: TO BE CALCULATED FROM FUEL RECORDS

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 27: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 6 NYCRR Subpart 202-1

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-000F1

Emission Unit: 0-000F2

Emission Unit: 0-000F4

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

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall perform a performance test as required
by 40CFR60.672 (b), once per permit term.

Manufacturer Name/Model Number: N/A

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Facility DEC ID: 3552200087

Parameter Monitored: OPACITY
 Upper Permit Limit: 10 percent
 Reference Test Method: EPA Method 22
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 6-MINUTE AVERAGE (METHOD 22)
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 12 calendar month(s).

Condition 28: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR Subpart 202-1

Item 28.1:

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

Emission Unit: 0-000F3

Emission Unit: 0-000F6

Emission Unit: 0-000F7

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

Item 28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall perform a performance test as required
 by 40 CFR 60.672 (b), once per permit term.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: OPACITY
 Upper Permit Limit: 15 percent
 Reference Test Method: EPA Method 22
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: 6-MINUTE AVERAGE (METHOD 22)
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 12 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR Subpart 202-1

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Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the purpose of ascertaining compliance with any air pollution control code, rule or regulation, the facility shall test the synthetic gypsum once a year to determine and quantify the presence of mercury or heavy metals of both in the raw synthetic gypsum. The test shall be conducted in a federal or state certified laboratory.

The commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions.

Manufacturer Name/Model Number: N/A

Reference Test Method: EPA Approved Method

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 30: Visible Emissions Limited

Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 211.2

Item 30.1:

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 31: Compliance Certification

Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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Facility DEC ID: 3552200087

CAS No: 0NY075-00-5 PM-10

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The control of particulate emissions released from new and modified process emission sources. Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

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, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part.

As per 212-1.7(a) 'Sampling and monitoring' section, facility owners and/or operators of a process emission source required by the department to demonstrate compliance with this Part may be required to conduct capture efficiency and/or stack emissions testing using acceptable and approved procedures pursuant to Part 202 of this Title.

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 32: Compliance Certification

Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (1)

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:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the NOx RACT requirement will be met by

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employing Low NOx- burner technology in the heat generation source that serves this unit. A NOx RACT plan has been submitted and approved by the department. No other submission is required.

Manufacturer Name/Model Number: N/A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 33.1:

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

Emission Unit: 0-00E17 Process: 17A	Emission Point: OPT17 Emission Source: 00C17
Emission Unit: 0-00E17 Process: 17A	Emission Point: OPT17 Emission Source: 00S17
Emission Unit: 0-00E17 Process: 17B	Emission Point: OPT17 Emission Source: 00C17
Emission Unit: 0-00E17 Process: 17B	Emission Point: OPT17 Emission Source: 00S17

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

Item 33.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct DAILY observations of visible

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emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Manufacturer Name/Model Number: N/A

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 1/30/2021.

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

Condition 34: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: 0-000F1

Emission Unit: 0-000F2

Emission Unit: 0-000F4

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Standard for Particulate Matter-

On or after the 60th day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after the initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere 10% opacity from sources such as grinding Mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or rail cart loading stations of from any other affected facility; and

The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to paragraph 60.11 of this part and paragraph 60.675 of this subpart.

The Initial performance test has been submitted as required. The test shall be repeated once per permit term as stipulated by other conditions of this permit.

Manufacturer Name/Model Number: N/A

Parameter Monitored: PARTICULATES

Upper Permit Limit: 10 percent

Reference Test Method: Method 22 when needed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

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Condition 35: Compliance Certification

Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-000F3

Emission Unit: 0-000F6

Emission Unit: 0-000F7

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Standard for Particulate Matter - Fugitive
emissions-

On or after the 60th day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after the initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere 15% fugitive emissions opacity from sources such as crushers at which a capture system is not used.

The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to paragraph 60.11 of this part and paragraph 60.675 of this subpart.

The initial performance test was submitted as required. The test shall be repeated once per permit term as stipulated by other conditions of this permit.

Manufacturer Name/Model Number: N/A

Parameter Monitored: PARTICULATES

Upper Permit Limit: 15 percent

Reference Test Method: Method 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 36: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR Part 60.11, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 15 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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Item 37.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fugitive emissions from building openings and vents:
If any transfer point on a conveyor belt or any other
affected facility or facilities is enclosed in a building,
then each enclosed affected facility must comply with the
emissions limit set below.

Manufacturer Name/Model Number: N/A

Parameter Monitored: PARTICULATES

Upper Permit Limit: 7 percent

Reference Test Method: Method 22

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 38: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Building Vents Emissions -
If any transfer point on a conveyor belt or any other
affected facility or facilities is enclosed in a building,
then each enclosed affected facility must comply with the
emissions limit set below.

The facility shall have to perform tests to ascertain
compliance with the below stated limit upon request by the
regulatory agency.

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Manufacturer Name/Model Number: N/A
 Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.022 grains per dscf
 Reference Test Method: EPA Approved method
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
 METHOD INDICATED
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 39: Emission Point Definition By Emission Unit
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 39.1:

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

Emission Unit: 0-00E17
 Emission Point: OPT17
 Height (ft.): 104 Diameter (in.): 24
 NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: LP Mill

Item 39.2:

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

Emission Unit: 0-00E30
 Emission Point: OPT30
 Height (ft.): 100 Diameter (in.): 78
 NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: Calcining

Item 39.3:

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

Emission Unit: 0-00E31
 Emission Point: OPT31
 Height (ft.): 100 Diameter (in.): 70
 NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: MILL

Item 39.4:

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

Emission Unit: 0-00E32
 Emission Point: OPT32
 Height (ft.): 45 Diameter (in.): 20

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NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: PLANT

Item 39.5:

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

Emission Unit: 0-00E33

Emission Point: OPT33

Height (ft.): 105 Diameter (in.): 36
 NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: PLANT

Item 39.6:

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

Emission Unit: 0-00E38

Emission Point: OPT38

Height (ft.): 78 Diameter (in.): 66
 NYTMN (km.): 4569.5 NYTME (km.): 590.5 Building: Dryer

**Condition 40: Process Definition By Emission Unit
 Effective between the dates of 07/20/2020 and 07/19/2025**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 40.1:

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

Emission Unit: 0-000F1

Process: 000 Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the fugitive particulates associated with ship unloading and stockpiling of raw natural material. Fugitives are generated when the main conveyor conveys raw gypsum from vessels up to the storage sheds. Modification No. 3 of the initial Title V permit (Ren 0, Mod 3) dealt with the replacement of the motor that drives the conveyor. The motor operates at a speed which enables the material transfer rate to be 1,850 tons/hr.

Emission Source/Control: 0AES1 - Process

Item 40.2:

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

Emission Unit: 0-000F1

Process: 001 Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the fugitive particulate sources from the unenclosed areas of the facility that are associated with management and/or processing of fresh or

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old reclaimed gypsum which are not regulated by a NSPS.

Emission Source/Control: 0BES1 - Process

Item 40.3:

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

Emission Unit: 0-000F1

Process: 004

Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the fugitive particulate emission sources from unenclosed areas of the facility that are not associated with either ship unloading of natural raw material stockpiling or with the management and/or processing of fresh or old reclaimed gypsum or with the crusher building or with the mechanical conveyance of crushed rock.

Emission Source/Control: 0BES1 - Process

Item 40.4:

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

Emission Unit: 0-000F1

Process: 006

Source Classification Code: 3-05-103-98

Process Description:

Fugitive particulate emissions occur from storage piles due to raw natural gypsum unloading activities, equipment traffic and wind erosion.

Emission Source/Control: 0AES1 - Process

Emission Source/Control: 0BES1 - Process

Item 40.5:

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

Emission Unit: 0-000F1

Process: 02A

Source Classification Code: 3-05-015-04

Process Description:

This process describes the unloading of rock from the belt to the rock crusher.

Emission Source/Control: 000F3 - Process

Item 40.6:

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

Emission Unit: 0-000F1

Process: 09A

Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the fugitive particulates associated with ship unloading and stockpiling of raw

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synthetic material. Fugitives are generated when the main conveyor conveys synthetic gypsum from vessels up to the storage sheds.

Emission Source/Control: 09AF1 - Process

Emission Source/Control: 0AES1 - Process

Item 40.7:

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

Emission Unit: 0-000F1

Process: 09B

Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the fugitive particulate emission sources from unenclosed areas of the facility that are not associated with either ship unloading of synthetic raw material stockpiling or with the management and/or processing of synthetic gypsum or with the crusher building or with the mechanical conveyance of synthetic raw gypsum.

Emission Source/Control: 09BF1 - Process

Emission Source/Control: 0AES1 - Process

Item 40.8:

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

Emission Unit: 0-000F1

Process: 09C

Source Classification Code: 3-05-015-04

Process Description:

This process includes all the fugitive particulate emission sources associated with synthetic gypsum material transfer from the unloading hopper to the belt conveyor. These fugitive emissions are occurring outdoors.

Emission Source/Control: 0AES1 - Process

Emission Source/Control: 0BES1 - Process

Item 40.9:

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

Emission Unit: 0-000F1

Process: 09D

Source Classification Code: 3-05-015-08

Process Description:

This process includes all of the synthetic gypsum fugitive particulate emissions resulting from wind erosion of the synthetic gypsum stockpile.

Emission Source/Control: 09DF1 - Process

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Item 40.10:

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

Emission Unit: 0-000F2
 Process: 005 Source Classification Code: 3-05-015-08
 Process Description:
 This process includes all of the fugitive particulate sources from inside the rock hopper building. Particulate matter that does not settle out exits the building through wall openings, open doors and wall vents.

Emission Source/Control: 005F2 - Process

Emission Source/Control: 00ES2 - Process

Item 40.11:

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

Emission Unit: 0-000F2
 Process: 10A Source Classification Code: 3-05-105-98
 Process Description: Front end loader pickup from pile to dump hopper.

Emission Source/Control: 005F2 - Process

Item 40.12:

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

Emission Unit: 0-000F2
 Process: 10B Source Classification Code: 3-05-105-98
 Process Description: Dump hopper to transfer belt conveyor.

Emission Source/Control: 00ES2 - Process

Item 40.13:

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

Emission Unit: 0-000F3
 Process: 00A Source Classification Code: 3-05-015-05
 Process Description:
 This process represents all of the fugitive particulate sources from inside the crusher building including screening, crushing and conveyance. Particulate matter (from natural or synthetic gypsum) that does not settle out exists the building through wall openings, open doors and wall vents.

Emission Source/Control: 00AF3 - Process

Item 40.14:

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

Emission Unit: 0-000F3
 Process: 00B Source Classification Code: 3-05-015-04

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Process Description:

This process includes fugitive particulate (natural or synthetic gypsum) emissions associated with the crusher building baghouse screw conveyor.

Emission Source/Control: 00BF3 - Process

Item 40.15:

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

Emission Unit: 0-000F3

Process: 11A

Source Classification Code: 3-05-015-18

Process Description:

This process is associated with the emission sources that generate fugitive emissions associated with the material transfer from the end trim bucket elevator to the plant feed conveyor. This process is located inside the building.

Emission Source/Control: 00CF3 - Process

Item 40.16:

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

Emission Unit: 0-000F4

Process: 00C

Source Classification Code: 3-05-015-03

Process Description:

This process includes new (replaced the existing one) dust collector equipment with control efficiency of 99%, an outlet grain loading factor of 0.015 gr/dscf and an exhaust volume of 2,100 dcfm. The emissions from the dust collector equipment are captured within the enclosed mill building and are not vented out to the atmosphere.

Emission Source/Control: 00CF4 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.17:

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

Emission Unit: 0-000F4

Process: F4A

Source Classification Code: 3-05-015-13

Process Description:

The process includes fugitive particulate emissions associated with material transport from the two Rotary Screens to Two entoleters. This process is located indoors.

Emission Source/Control: 00CF4 - Control

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Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.18:

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

Emission Unit: 0-000F4

Process: F4D

Source Classification Code: 3-05-040-30

Process Description:

This process includes fugitive particulate emissions (from natural raw or synthetic gypsum) associated with material transport from the Plant Feed Conveyor to the Belt Conveyor A. This process is located inside the building.

Emission Source/Control: 00CF4 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.19:

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

Emission Unit: 0-000F4

Process: F4E

Source Classification Code: 3-05-015-18

Process Description:

This process includes fugitive particulate emissions associated with the material transport from chute from plant feed conveyor to LP Mill Feed Bin. This process is located inside the building.

Emission Source/Control: 00CF4 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.20:

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

Emission Unit: 0-000F4

Process: F4F

Source Classification Code: 3-05-015-13

Process Description:

This process includes fugitive particulate emissions associated with the material transport from the LP Mill Feed Bin to the Feed Belt Conveyor. This process is located inside the building.

Emission Source/Control: 00CF4 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

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Item 40.21:

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

Emission Unit: 0-000F4
 Process: F4G Source Classification Code: 3-05-015-18

Process Description:
 This process includes fugitive particulate emissions associated with material transport from the Feed Belt Conveyor to LP Mill. This process is located inside a building.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.22:

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

Emission Unit: 0-000F4
 Process: F4H Source Classification Code: 3-05-015-13

Process Description:
 This process includes fugitive particulate emissions associated with material transport from the Plant feed conveyor to the Calcining Belt. This process is located indoors.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.23:

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

Emission Unit: 0-000F4
 Process: F4I Source Classification Code: 3-05-015-18

Process Description:
 The process includes fugitive particulate emissions associated with material transport from the belt conveyor B to Calcining Mill Feed Bin. This process is located indoors.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.24:

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

Emission Unit: 0-000F4
 Process: F4J Source Classification Code: 3-05-015-13

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Process Description:

The process includes fugitive particulate emissions associated with material transport from the Calcining Mill Feed Bin to the Weigh belt Conveyor. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.25:

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

Emission Unit: 0-000F4

Process: F4K

Source Classification Code: 3-05-015-18

Process Description:

The process includes fugitive particulate emissions associated with material transport from the Weigh Belt Conveyor to the Calcining Mill. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.26:

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

Emission Unit: 0-000F4

Process: F4L

Source Classification Code: 3-05-015-13

Process Description:

The process includes fugitive particulate emissions associated with material transport from the collection Screw Conveyor to the Reversing Screw Conveyor. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.27:

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

Emission Unit: 0-000F4

Process: F4M

Source Classification Code: 3-05-015-18

Process Description:

The process includes fugitive particulate emissions associated with material transport from the Reversing Screw Conveyor to the Bucket Elevator. This process is

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located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.28:

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

Emission Unit: 0-000F4
Process: F4N Source Classification Code: 3-05-015-13
Process Description:

The process includes fugitive particulate emissions associated with material transport from the Bucket Elevator to the Transfer Screw Conveyor. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.29:

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

Emission Unit: 0-000F4
Process: F4O Source Classification Code: 3-05-015-18
Process Description:

This process includes fugitive particulate emissions associated with Bin Vent Filters for LP Mill Feed Bin. This process is located inside a building.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.30:

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

Emission Unit: 0-000F4
Process: F4P Source Classification Code: 3-05-015-18
Process Description:

The process includes fugitive particulate emissions associated with the Bin Vent Filters for Calcining Mill Feed Bin. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

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Item 40.31:

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

Emission Unit: 0-000F4
 Process: F4Q Source Classification Code: 3-05-015-18
 Process Description:

The process includes fugitive particulate emissions associated with material transport from the Reversing Screw Conveyor to the Sojourney Screw Conveyor. This process is located indoors.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.32:

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

Emission Unit: 0-000F4
 Process: F4R Source Classification Code: 3-05-015-18
 Process Description:

The process includes fugitive particulate emissions associated with material transport from the Transfer Conveyor to the Oversize Collection System. This process is located indoors.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.33:

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

Emission Unit: 0-000F4
 Process: F4S Source Classification Code: 3-05-015-13
 Process Description:

The process includes fugitive particulate emissions associated with material transport from the Oversize Collection Screw to the ground Floor. This process is located indoors.

Emission Source/Control: 00CF4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.34:

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

Emission Unit: 0-000F4
 Process: F4T Source Classification Code: 3-05-015-18

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Process Description:

The process includes fugitive particulate emissions associated with material transport from the two Rotary Screens to the Oversize Collection Screw. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.35:

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

Emission Unit: 0-000F4

Process: F4U

Source Classification Code: 3-05-015-13

Process Description:

The process includes fugitive particulate emissions associated with material transport from the Oversize Collection Screw to the Return Screw No.1. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.36:

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

Emission Unit: 0-000F4

Process: F4V

Source Classification Code: 3-05-015-18

Process Description:

The process includes fugitive particulate emissions associated with material transport from the two Entoleter to the ReturnScrew No.1. This process is located indoors.

Emission Source/Control: 00CF4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 000F4 - Process

Item 40.37:

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

Emission Unit: 0-000F4

Process: F4W

Source Classification Code: 3-05-015-13

Process Description:

The process includes fugitive particulate emissions associated with material transport from the Return Screw No.1 to the return Screw No.2. This process is located indoors.

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Emission Source/Control: 000F4 - Process

Item 40.41:

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

Emission Unit: 0-000F5

Process: 00D

Source Classification Code: 3-05-015-03

Process Description:

This process includes fugitives particulate mater emissions from buildings that house indoor production process that are subject to 40 CFR part 60, Subpart OOO.

Emission Source/Control: 00DF5 - Process

Emission Source/Control: 00E33 - Process

Item 40.42:

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

Emission Unit: 0-000F6

Process: 06A

Source Classification Code: 3-05-040-30

Process Description:

This process comprise the crushing of rock inside the crusher building. Particulate matter is the pollutant associated with this process.

Emission Source/Control: 0006A - Process

Design Capacity: 200 tons per hour

Item 40.43:

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

Emission Unit: 0-000F7

Process: 08A

Source Classification Code: 3-05-015-05

Process Description:

This process covers the Williams crusher for mixed dry and wet waste board located inside the crusher building. Particulate matter that doesnot settle out may escape the building through wall openings, open doors and wall vents. The waste crusher will be subject to NSPS OOO requirements.

Emission Source/Control: S008A - Process

Design Capacity: 175,200 tons per year

Item 40.44:

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

Emission Unit: 0-000F7

Process: 08B

Source Classification Code: 3-05-015-03

Process Description:

This process covers the loading North Hopper for de-papered pulverized board located outside the crusher

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building. This process will only generate fugitive particulate emissions. Loading to the North Hopper will be done through a front end loader. This process is exempt from requirements of NSPS subpart OOO.

Emission Source/Control: S008B - Process
Design Capacity: 175,200 tons per year

Item 40.45:

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

Emission Unit: 0-000F7
Process: 08C
Source Classification Code: 3-05-015-05
Process Description:

This process covers the North J.C. Steele feeder for feeding the de-papered pulverized waste board to the main plant conveyor belt. This process will be located inside the crusher building. Particulate matter that does not settle out may escape the building through wall openings, open doors and wall vents. The feeder will be subject to NSPS subpart OOO.

Emission Source/Control: S008C - Process
Design Capacity: 175,200 tons per year

Item 40.46:

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

Emission Unit: 0-000F7
Process: 08D
Source Classification Code: 3-05-015-05
Process Description:

There are total of three drop points associated with the conveying system which are as follows: 1) From loader to J.C. Steele Feeder, 2) From J.C. Steel feeder to incline belt, and 3) From Z conveyor to J.C. Steele Double Metering Feeder. The process throughout of each drop point is 20 tons per hour, therefore, the combined throughput is listed as 60 tons per hour below.

Emission Source/Control: S008D - Process
Design Capacity: 525,600 tons per year

Item 40.47:

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

Emission Unit: 0-000F7
Process: 07A
Source Classification Code: 3-05-015-18
Process Description:

This process involves the conveying of reclaimed gypsum via the receiving North Hopper and the recaliming conveyor. This process may generate emissions of particulate matter.

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Emission Source/Control: 0007A - Process
 Design Capacity: 40 tons per hour

Item 40.48:

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

Emission Unit: 0-000F7
 Process: O7B Source Classification Code: 3-05-015-18
 Process Description:
 This process involves the metering on reclaim conveyor feeder system. Associated emission included particulate matter.

Emission Source/Control: 0007B - Process
 Design Capacity: 40 tons per hour

Item 40.49:

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

Emission Unit: 0-00E17
 Process: 17A Source Classification Code: 3-05-015-18
 Process Description:
 This process involves all combustion and particulate emissions related to the operation of the Landplaster Mill when natural (raw) gypsum is the material processed. The Landplaster Mill is equipped with a baghouse for particular control and a low NOx burner rated at maximum heat input capacity of 0.7 MMBtu/hr. NOx emissions from this burner along with emissions from the board dryer (EU38) and Calcining Mill (EU 30) are capped at 40.15 tons per year.

Emission Source/Control: 00S17 - Combustion
 Design Capacity: 1 million Btu per hour

Emission Source/Control: 00C17 - Control
 Control Type: FABRIC FILTER

Item 40.50:

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

Emission Unit: 0-00E17
 Process: 17B Source Classification Code: 3-05-015-13
 Process Description:
 This process involves all combustion and particulate emissions related to the operation of the Landplaster Mill when synthetic gypsum is the material processed. The Landplaster Mill is equipped with a baghouse for particular control and a low NOx burner rated at maximum heat input capacity of 0.7 MMBtu/hr. NOx emissions from

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this burner along with emissions from the board dryer (EU38) and Calcining Mill (EU 30) are capped at 40.15 tons per year.

Emission Source/Control: 00S17 - Combustion
Design Capacity: 1 million Btu per hour

Emission Source/Control: 00C17 - Control
Control Type: FABRIC FILTER

Item 40.51:

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

Emission Unit: 0-00E30
Process: 030 Source Classification Code: 3-05-015-18
Process Description:

This source serves the combustion and process emissions of the Calcining Mill system. The mill system has a design heat input rating of 111 MMbtu/hr, and combusts natural gas.

Emission Source/Control: 0ES30 - Combustion
Design Capacity: 111 million Btu per hour

Emission Source/Control: 00C30 - Control
Control Type: FABRIC FILTER

Item 40.52:

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

Emission Unit: 0-00E31
Process: 031 Source Classification Code: 3-05-015-03

Emission Source/Control: 00C31 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0ES31 - Process
Design Capacity: 78 tons per hour

Item 40.53:

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

Emission Unit: 0-00E32
Process: 032 Source Classification Code: 3-05-015-03
Process Description:

This process comprises the addition of additives to the slurry that will become wall board. Its emissions are vented outdoors through a baghouse.

Emission Source/Control: 00C32 - Control
Control Type: FABRIC FILTER

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Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The baghouses will be monitored to ensure proper operation by monitoring the pressure differential across the device at least once daily on days the emission unit is operated.

Manufacturer Name/Model Number: N/A

Parameter Monitored: PRESSURE DROP

Upper Permit Limit: 6.5 pounds per square inch gauge

Reference Test Method: N/A

Monitoring Frequency: DAILY

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 42: Compliance Certification

Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Initial performance tested was completed. The facility was found to be in compliance.

Manufacturer Name/Model Number: N/A

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Reference Test Method: N/A
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 12 calendar month(s).

Condition 43: Performance testing timeline.
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 43.1:
 This Condition applies to Emission Unit: 0-00E17

Item 43.2:
 Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 44: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 44.1:
 The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17 Emission Point: OPT17

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

Item 44.2:
 Compliance Certification shall include the following monitoring:

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

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

In addition to the above opacity evaluation, the permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which this condition

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applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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

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

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

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

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

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

Manufacturer Name/Model Number: N/A

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 6 NYCRR 227-2.4 (g)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E30 Emission Point: OPT30

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the NO_x RACT requirement will be met by employing Low NO_x- burner technology in the heat generation source that serves this unit. A NO_x RACT plan has been submitted and approved by the department. No other submission is required.

Manufacturer Name/Model Number: N/A

Reference Test Method: N/A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 40CFR 60, NSPS Subpart UUU

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E30 Emission Point: OPT30

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

Item 46.2:

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility will perform inspection and maintenance of the emission unit. The emissions from the stack will be observed on a daily basis and results will be recorded. If visible emissions are observed for two consecutive days, a method 9 analysis shall be performed.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 47: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 40CFR 60, NSPS Subpart UUU

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E30 Emission Point: OPT30

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

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No emissions shall be discharged into the atmosphere that contain particulate matter in excess of 0.092 gram per dry standard cubic meter (0.040 grains per dry standard cubic foot) from this source.

An initial performance test was conducted as required. Test results revealed that the facility was in compliance.

This performance test shall be repeated for every permit term. Tests results will be submitted to the department within 30 days of the test.

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Prior to testing, the facility shall submit to the department for approval a test protocol. Upon approval, the department shall be notified of the scheduled test date 30 days before testing takes place.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: PARTICULATES
 Upper Permit Limit: 0.092 grams per cubic meter
 Reference Test Method: Approved EPA method
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 48.1:
 The Compliance Certification activity will be performed for:

Emission Unit: 0-00E31

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

Item 48.2:
 Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A bag house differential shall be checked. The facility is responsible for operating the bag house under manufacturer's recommended pressure range. This shall ensure that opacity requirements shall be satisfied. Opacity shall be observed visually once a day. If an exceedance is noted, Method 9 shall be performed.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: Method 9
 Monitoring Frequency: DAILY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087

Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:40 CFR Part 64**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E31

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission unit is subject to the Compliance Assurance Monitoring Rule (CAM Rule). The owner or operator of this emission unit must submit a plan to the Department for its review and approval showing how they will comply with this rule. The plan must include the following:

- An indicator to be monitored to show compliance with the applicable emission limit or standard.
- The ranges or designated conditions for such indicators, or the process by which such indicators ranges or designed conditions will be established.
- the performance criteria for the monitoring stated above
- if applicable, the indicator ranges and performance criteria for a CEMS, COMS or PEMS (if used).

The owner or operator of this emission unit shall submit an annual report of the monitoring required above. The report shall include the following:

- summary of information on the number, duration and cause (including unknown cause) of excursions or exceedances, as applicable, and the corrective actions taken;
- summary information on the number, duration and cause (including unknown cause) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks if applicable); and
- a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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Facility DEC ID: 3552200087

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

Condition 50: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 40 CFR Part 64

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance Assurance Monitoring -

The owner or operator shall submit to the permitting authority a monitoring plan that satisfies the design requirements in 40 CFR 64.3. The monitoring plan shall include the indicators to be monitored, the ranges or designated conditions for such indicators, and performance criteria for the monitoring.

The facility has submitted the following compliance assurance plan:

CAM Plan for Baghouse

I. Background

A. Emission Unit

Description: Stucco Cooling System

Identification: 0-00E31

Facility: Continental Buchanan, LLC

B. Applicable Regulation, Limit, and Monitoring Requirements

Regulation No.: Title V Permit ID

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Opacity emission limit: 20% (6 minute average)

Current Monitoring requirements: Daily visible emissions and bag house differential pressure check.

C. Control Technology - Fabric Filter

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II. Monitoring Approach

A. Indicator -Daily pressure drop and visible emissions check will be used as an indicator.

B. Measurement Approach -Visible emissions from the baghouse exhaust will be monitored daily while the unit is in operation. Pressure drop will be checked daily to ensure that no pressure drop of greater than 12 inches of H₂O column is observed while the unit is in operation.

C. Indicator Range -The selected indicator range is no visible emissions and pressure drop not to exceed 12 inches of H₂O column.

D. Performance Criteria:

Data representativeness - Visible emissions check will be made at the emission point daily while the unit is in operation. In accordance with the current permit if visible emissions are observed for two consecutive days, then a Method 9 analysis will be conducted within two business days of such occurrence. If the baghouse differential pressure is greater than 12 inches of H₂O column, visual inspection is conducted and if dusting is observed then corrective action will be initiated. In accordance with the current permit the corrective action will consist of a Method 9 analysis within two business days of such occurrence. The corrective action will also consist of evaluating and correcting plugged line to the meter, faulty meter, etc. The cause, actions taken, and other pertinent parameters are recorded in the logbook.

Verification of operational status - Records of pressure drop readings and visible emissions check will be maintained for five years.

QA/QC practices and criteria - The facility shall check the pressure drop daily when the emission unit is in operation. If the baghouse differential pressure is greater than 12 inches of H₂O column, visual inspection is conducted and if dusting is observed then corrective action will be initiated. In accordance with the current permit the corrective action will consist of a Method 9 analysis within two business days of such occurrence. The corrective action will also consist of evaluating and correcting plugged line to the meter, faulty meter, etc. The cause, actions taken, and other pertinent parameters

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are recorded in the logbook.

Monitoring frequency and data collection procedure - Pressure drop readings and visible emission check shall be conducted daily when the emission unit is in operation. Records of the readings shall be maintained for five years.

III. Justification

A. Background - The pollutant specific emission unit is the bagfilter that controls emissions from the stucco cooling system. Per the earlier CAM plan approved by NYSDEC, this is the only emission unit applicable to the CAM plan requirements.

B. Rationale for Selection of Performance Indicator- The daily pressure drop readings and visible emission check were selected as the performance indicator because it is indicative of operation of the baghouse in a manner necessary to comply with the opacity standard. A pressure drop of greater than 12 inches of water column would indicate a reduced performance of this baghouse. Therefore, the detection of excessive pressure drop is used as a performance indicator. The daily visible emission check was selected as the performance indicator because when a baghouse is operating properly, no visible emissions will be observed. Any increase in visible emissions indicates reduced performance of the particulate control device, therefore the presence of visible emissions is used as a performance indicator.

C. Rationale for Selection of Indicator Level - The selected indicator range is an increase in pressure drop beyond 12 inches of water column. If the baghouse differential pressure is greater than 12 inches of H₂O column, visual inspection is conducted and if dusting is observed then corrective action will be initiated. In accordance with the current permit the corrective action will consist of a Method 9 analysis within two business days of such occurrence. The corrective action will also consist of evaluating and correcting plugged line to the meter, faulty meter, etc. The cause, actions taken, and other pertinent parameters are recorded in the logbook. The changes in pressure drop noted above were selected as indicator ranges because a pressure drop greater than these values are indicative of a potential increase in particulate emissions due to a decrease in the performance of this baghouse. If the baghouse is operating properly, there will not be a pressure drop greater than 12 inches of water except during start up, shut down, and upset

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conditions. No visible emission was selected as the indicator level because when a baghouse is operating properly, no visible emissions will be observed.

Reference Test Method: N/A
 Monitoring Frequency: DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212-1.3

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E38 Emission Point: OPT38

Regulated Contaminant(s):
 CAS No: 000050-00-0 FORMALDEHYDE

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

An Environmental Rating A is assigned for the subject contaminant.
 The Short-Term Guidance Concentration (SGC) value is stated below. This is the 1-hr average predicted maximum off site atmospheric concentration of the contaminant.

No reporting is required for this condition.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: FORMALDEHYDE
 Upper Permit Limit: 30 micrograms per cubic meter
 Reference Test Method: N/A
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212-1.5 (d)

Item 52.1:

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The Compliance Certification activity will be performed for:

Emission Unit: 0-00E38 Emission Point: OPT38
 Process: PRP

Regulated Contaminant(s):
 CAS No: 000050-00-0 FORMALDEHYDE

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall calculate the total formaldehyde emitted using emission factors established from stack tests. Annual emissions of formaldehyde shall not exceed the below stated value.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: FORMALDEHYDE
 Upper Permit Limit: 1500 pounds per year
 Reference Test Method: Approved EPA method
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION
 Averaging Method: ANNUAL TOTAL
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 12 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement:6 NYCRR 212-1.5 (d)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E38 Emission Point: OPT38
 Process: PRP

Regulated Contaminant(s):
 CAS No: 000050-00-0 FORMALDEHYDE

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility is permitted to use the additive "product" in such quantity as the maximum value stated below.

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Manufacturer Name/Model Number: N/A
 Parameter Monitored: PRODUCT
 Upper Permit Limit: 120,000 gallons per year
 Reference Test Method: N/A
 Monitoring Frequency: MONTHLY
 Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable Federal Requirement: 6 NYCRR 212-1.5 (d)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E38 Emission Point: OPT38
 Process: PRP

Regulated Contaminant(s):
 CAS No: 000050-00-0 FORMALDEHYDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Initial stack testing shall be carried out 180 days after commencement of full scale operation of the new process "PRP". Formaldehyde emissions shall not exceed the below stated value. The emission rate shown below is interim as it is based on modeling analysis using data collected at a similar plant. This rate has been demonstrated after initial performance stack testing was carried out at the Buchanan Plant. The initial performance test was completed demonstrating compliance. Stack testing shall be carried out once per permit term.

Manufacturer Name/Model Number: N/A
 Parameter Monitored: FORMALDEHYDE
 Upper Permit Limit: 3.53 pounds per hour
 Reference Test Method: Approved EPA method
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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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 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: 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

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

Condition 55: Contaminant List
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable State Requirement:ECL 19-0301

Item 55.1:
 Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
 Name: FORMALDEHYDE

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

CAS No: 0NY075-00-5
 Name: PM-10

CAS No: 0NY100-00-0
 Name: TOTAL HAP

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

Condition 56: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable State Requirement:6 NYCRR 201-1.4

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Item 56.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 57: CLCPA Applicability
Effective between the dates of 07/20/2020 and 07/19/2025

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

Item 57.1:

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 58: Air pollution prohibited
Effective between the dates of 07/20/2020 and 07/19/2025

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Applicable State Requirement:6 NYCRR 211.1

Item 58.1:

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.

Condition 59: Asbestos containing surface coatings prohibited
Effective between the dates of 07/20/2020 and 07/19/2025

Applicable State Requirement:6 NYCRR 221.2

Item 59.1:

No person shall engage in or allow surface coating by the spraying of asbestos or asbestos-containing materials.

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