

**New York State Department of Environmental Conservation**  
**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: 08/27/2007 Expiration Date: 08/26/2012

Permit Issued To: LAFARGE NORTH AMERICA INC  
12950 WORLDGATE DR STE 500  
HERNDON, VA 20170

Contact: CRISS FRALEY  
LAFARGE NORTH AMERICA INC  
350 BROADWAY  
BUCHANAN, NY 10511  
(914) 930-3000

Facility: LAFARGE NORTH AMERICA INC - BUCHANAN  
350 BROADWAY  
BUCHANAN, NY 10511-1010

Contact: CATHERINE TUBRITY  
LAFARGE NORTH AMERICA INC  
350 BROADWAY  
BUCHANAN, NY 10511  
(914) 930-3013

**Description:**

Lafarge produces bulk gypsum and wallboard. Gypsum rock is delivered to the facility by water borne vessel. Raw, reclaimed gypsum material, and synthetic gypsum material can be stockpiled or sent directly to processing.

The first step in the process is the crushing of the raw, reclaimed gypsum material and synthetic gypsum to reduce the maximum rock size. The material then proceeds to the calcining mill, where the free and chemically-bound water is removed.

The product of the calcining mill, called stucco, is then pneumatically conveyed to the wallboard plant. Here the stucco is conveyed to the pin mixer. Depending upon the type of wallboard being produced, appropriate additives, including water, are mixed with the stucco in the pin mixer to produce a slurry. The slurry is extruded between two sheets of paper on the forming line. While traveling down the length of the forming line, the slurry hardens into wet wallboard. At the end of the forming, the wet wallboard is cut into varying lengths and is inverted to protect the face of the board during drying.

Finally, the boards are conveyed through the board dryer to drive off moisture and induce chemical bonding of the wallboard ingredients. The wallboard is finished with end saws and the exposed ends are

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 3552200087**



sealed with tape. The wallboard is then stored until shipment off site.

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:           KENNETH R GRZYB  
  NYSDEC REGION 3  
  21 SOUTH PUTT CORNERS RD  
  NEW PALTZ, NY 12561

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

**Facility Level**

Submission of application for permit modification or renewal-REGION 3  
HEADQUARTERS



**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: 6NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 3552200087**

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

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

**Item 4.1:**

The Department reserves the right 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: 6NYCRR 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



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: LAFARGE NORTH AMERICA INC  
12950 WORLDGATE DR STE 500  
HERNDON, VA 20170

Facility: LAFARGE NORTH AMERICA INC - BUCHANAN  
350 BROADWAY  
BUCHANAN, NY 10511-1010

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

Permit Effective Date: 08/27/2007

Permit Expiration Date: 08/26/2012



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 201-6.5(g): Non Applicable requirements
- 25 6NYCRR 201-7: Facility Permissible Emissions
- \*26 6NYCRR 201-7: Capping Monitoring Condition
- \*27 6NYCRR 201-7: Capping Monitoring Condition
- 28 6NYCRR 211.3: Compliance Certification
- 29 6NYCRR 227.2(b)(1): Compliance Certification

**Emission Unit Level**

- 30 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 31 6NYCRR 201-6: Process Definition By Emission Unit

**EU=0-000F6**

- 32 40CFR 60.672(e), NSPS Subpart OOO: Compliance Certification

**EU=0-000F7**

- 33 40CFR 60.672(e), NSPS Subpart OOO: Compliance Certification



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**EU=0-00E17**

34 6NYCRR 212.3(b): Compliance Certification

**EU=0-00E17,EP=0PT17**

35 6NYCRR 212.6: Compliance Certification

**EU=0-00E17,EP=0PT17,Proc=017**

36 6NYCRR 227-2.4(g): Compliance Certification

**EU=0-00E30,EP=0PT30**

37 6NYCRR 212.10: Compliance Certification

38 6NYCRR 227-2.4(g): Compliance Certification

39 40CFR 60, NSPS Subpart UUU: Compliance Certification

40 40CFR 60.732(a), NSPS Subpart UUU: Compliance Certification

**EU=0-00E31**

41 40CFR 64: Compliance Certification

**EU=0-00E31,EP=0PT31**

42 6NYCRR 212.6: Compliance Certification

**EU=0-00E38,EP=0PT38**

43 6NYCRR 212.10: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

44 ECL 19-0301: Contaminant List

45 6NYCRR 201-1.4: Unavoidable noncompliance and violations

46 6NYCRR 211.2: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* 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: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

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

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(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 D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(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 E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(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 F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(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 planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(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

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

**Item I: Severability - 6 NYCRR Part 201-6.5(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 J: Permit Shield - 6 NYCRR Part 201-6.5(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;
- iii. The applicable requirements of Title IV of the

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



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 K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is 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 this 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 Part 201-6.7 and Part 621.

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



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

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

**Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**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 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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.

**Condition 2: Fees**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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.

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



(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 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 201-6.3(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.

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



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.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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:

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



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 recordkeeping 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.
- 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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road  
New Paltz, NY 12561-1696

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April  
15th each year for emissions of the previous calendar  
year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 8.1:**

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**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 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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



**New York State Department of Environmental Conservation**

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087

**Condition 11: Recycling and Salvage**  
Effective between the dates of 08/27/2007 and 08/26/2012

**Applicable Federal Requirement: 6NYCRR 201-1.7**

**Item 11.1:**

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

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
Effective between the dates of 08/27/2007 and 08/26/2012

**Applicable Federal Requirement: 6NYCRR 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 08/27/2007 and 08/26/2012

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

**Item 13.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

**Condition 14: Trivial Sources - Proof of Eligibility**  
Effective between the dates of 08/27/2007 and 08/26/2012

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

**New York State Department of Environmental Conservation**

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087



**Condition 15: Standard Requirement - Provide Information**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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: General Condition - Right to Inspect**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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: Standard Requirements - Progress Reports**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 17.1:**

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:



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

(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 18: Off Permit Changes**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(f)(6)**

**Item 18.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 19: Required Emissions Tests**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 19.1:**

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. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 211.3**

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



**Item 20.1:**

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 21: Accidental release provisions.**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 40CFR 68**

**Item 21.1:**

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 22: Recycling and Emissions Reduction**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 22.1:**

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.**

**New York State Department of Environmental Conservation**

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087



**Condition 23: Emission Unit Definition**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 23.1:**

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

Emission Unit: 0-000F1

Emission Unit Description:

This emission unit represents all of the fugitive particulate emissions generated when the main conveyor conveys raw gypsum from vessels up to the storage sheds. This emission unit is included in the modification because the motor associated with the conveyor is replaced with a new one. The new motor operates at a higher speed thereby increasing the conveyor rate from 1,200 tons/hr to 1,850 tons/hr. This increase may result in an increase of particulate fugitives.

Building(s): NONE

**Item 23.2:**

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

Emission Unit: 0-000F2

Emission Unit Description:

This emission unit represents all of the fugitive particulate sources associated with the rock hopper building which are not regulated by a NSPS.

Building(s): Rock Hop.

**Item 23.3:**

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

Emission Unit: 0-000F3

Emission Unit Description:

This emission unit represents all of the fugitive particulate sources associated with the crusher building which are not regulated by a NSPS.

Building(s): Crusher

**Item 23.4:**

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

Emission Unit: 0-000F4

Emission Unit Description:

This emission unit represents all of the fugitive



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

particulate sources associated with the main plant building which are not regulated by a NSPS.

Building(s): MAIN PLANT

**Item 23.5:**

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

Emission Unit: 0-000F6

Emission Unit Description:

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

Building(s): CRUSHER

**Item 23.6:**

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

Emission Unit: 0-000F7

Emission Unit Description:

This emission unit covers the new reclaim system which includes a receiving hopper/feeder and conveyor system. This emission unit is located with in the crusher building. This unit started operation in January of 2006. This unit is subject to NSPS Subpart OOO.

Building(s): CRUSHER

**Item 23.7:**

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

Emission Unit: 0-00E17

Emission Unit Description:

This emission unit is comprised of the Raymond Mill No. 2 that vents to a dedicated baghouse. Raymond Mill No.2 is intended to operate for approximately 5 hours per week, 52 weeks a year (i.e. 260 hours per year) on average.

It must be noted that this unit may operate above the intended hours but it will always stay below the permitted emissions cap which enables the facility to cap out of 231-2.

Building(s): MILL

**Item 23.8:**

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

Emission Unit: 0-00E30

Emission Unit Description:



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

This emission unit consists of the Calcining Mill system. This system is designed to further grind gypsum while removing free moisture and chemically bound water from the gypsum, forming stucco. Heat for the calcining reaction in the system is provided by Low NOx natural gas burner rated at 100 mmbtu/hr. The combined process stream consisting of stucco and combustion by-products 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 23.9:**

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 23.10:**

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. This unit is included in this modification due to increasing its capacity.

Building(s): PLANT

**Item 23.11:**

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 23.12:**



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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.

Building(s): MILL

**Condition 24: Non Applicable requirements**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 24.1:**

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.

40CFR 60-UUU

Emission Unit: 000E38

Reason: This NSPS is not applicable to this board dryer which is considered to be a "tunnel dryer" which is exempt under 40 CFR 60.730 (b).

40CFR 60-UUU.732(a)

Emission Unit: 000E38

Reason: This NSPS is not applicable to this board dryer which is considered to be a "tunnel dryer" which is exempt under 40 CFR 60.730 (b).

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 25.1:**

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 26: Capping Monitoring Condition**

**New York State Department of Environmental Conservation**

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087



**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 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:

6NYCRR 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:

The Compliance Certification applies to:

Emission Unit: 0-00E38

Emission Unit: 0-00E17

Emission Unit: 0-00E30

Regulated Contaminant(s):

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

**Item 26.7:**



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

A limit is placed in the consumption of natural gas by emission units listed under this condition (EU00017, EU0030, EU00038). The cap is placed to avoid triggering requirements specified under 6NYCRR part 231-2 (NSR). The facility shall maintain monthly records of gas consumption to ensure that this cap is not exceeded at any time.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 2,253,270,000 cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 27: Capping Monitoring Condition**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 27.1:**

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:

6NYCRR 231-2

**Item 27.2:**

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

**Item 27.3:**

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 27.4:**



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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 27.5:**

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 27.6:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00E17

Emission Unit: 0-00E30

Emission Unit: 0-00E38

Regulated Contaminant(s):

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

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition limits the nitrogen oxide (NO<sub>x</sub>) emissions generated by emission units EU 00017, EU 00030 and EU00038 to 40.15 tons per year. The facility shall maintain records to demonstrate compliance with this condition.

This cap is placed to avoid triggering requirements specified under 6NYCRR Part 231-2 (NSR).

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 28: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**New York State Department of Environmental Conservation**

Permit ID: 3-5522-00087/00019

Facility DEC ID: 3552200087



**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

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:

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 minutes average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

The facility shall keep equipment that has the potential to generate fugitive particulates in good working order. The facility shall ensure proper performance of the equipment at all times. Any exceedances shall be reported in the semi annual reports.

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: 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 1/30/2008.

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

**Condition 29: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 227.2(b)(1)**

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

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 1/30/2008.

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

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

**Condition 30: Emission Point Definition By Emission Unit  
Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 30.1:**

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

Emission Unit: 0-00E17



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Emission Point: OPT17  
Height (ft.): 104                      Diameter (in.): 24  
NYTMN (km.): 4569.5              NYTME (km.): 590.5              Building: MILL

**Item 30.2:**

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: MILL

**Item 30.3:**

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 30.4:**

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

**Item 30.5:**

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 30.6:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



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

**Condition 31:    Process Definition By Emission Unit**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 31.1:**

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 or synthetic material. Fugitives are generated when the main conveyor conveys raw gypsum from vessels up to the storage sheds. This modification includes the replacement of the motor that drives the conveyor.

The new motor operates at a higher speed thus increasing the material transfer rate from 1,200 tons/hr to 1,850 tons/hr, resulting in increased emissions.

Emission Source/Control: 0AES1 - Process

**Item 31.2:**

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 old reclaimed gypsum which are not regulated by a NSPS.

Emission Source/Control: 0BES1 - Process

**Item 31.3:**

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

Emission Unit: 0-000F1

Process: 002

Source Classification Code: 3-05-015-04

Process Description:

This process includes all of the fugitive particulate sources from the unenclosed areas of the facility that are



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

associated with mechanical conveyance of crushed rock or synthetic gypsum which are not regulated by a NSPS.

Emission Source/Control: 0BES1 - Process

**Item 31.4:**

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 sources from the unenclosed areas of the facility that are not associated with either ship unloading or synthetic or 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 or synthetic material, none of which are regulated by a NSPS.

Emission Source/Control: 0BES1 - Process

**Item 31.5:**

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: 00ES2 - Process

**Item 31.6:**

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 that does not settle out exists the building through wall openings, open doors and wall vents.



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Emission Source/Control: 00AF3 - Process

**Item 31.7:**

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

Process Description:

This process includes fugitive particulate emissions associated with the crusher building outdoor baghouse screw conveyor.

Emission Source/Control: 00BF3 - Process

**Item 31.8:**

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 indoor fugitive particulate matter emissions that may occur to some degree from every production process in the main plant building. The particulate matter that does not settle out exits through wall openings, open doors and wall vents.

Emission Source/Control: 00CF4 - Process

**Item 31.9:**

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 31.10:**

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

Emission Unit: 0-000F7

Process: O7A

Source Classification Code: 3-05-015-18

Process Description:



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

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

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

**Item 31.11:**

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 31.12:**

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

Emission Unit: 0-00E17  
Process: 017  
Source Classification Code: 3-05-015-13  
Process Description:  
This source serves the combustion and process emissions from the Raymond Mill No.2. The Raymond Mill No.2 has a design heat input of 9 MMbtu/hr and combusts natural gas. The Raymond Mill No.2 exhausts through a dedicated bag house. Raymond Mill No.2 is intended to operate for approximately 5 hours per week, 52 weeks per year (i.e. 260 hours per year) on average.

It must be noted that this unit may operate above the intended hours but it will always stay below the permitted emissions cap which enables the facility to cap out of 231-2.

Emission Source/Control: 0ES17 - Combustion  
Design Capacity: 9 million Btu per hour

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

**Item 31.13:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



Emission Unit: 0-00E30

Process: 030

Source Classification Code: 3-05-015-11

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 100 MMbtu/hr and combusts natural gas.

Emission Source/Control: 0ES30 - Combustion

Design Capacity: 100 million Btu per hour

Emission Source/Control: 00C30 - Control

Control Type: FABRIC FILTER

**Item 31.14:**

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

Process Description:

This process serves the stucco cooling system. In this process, ambient air is mixed with the hot stucco and pneumatically conveyed through a dedicated baghouse that separates the cooling air from the stucco.

Emission Source/Control: 00C31 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 0ES31 - Process

Design Capacity: 78 tons per hour

**Item 31.15:**

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

Emission Source/Control: 0ES32 - Process



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**Item 31.16:**

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

Emission Unit: 0-00E33

Process: 033

Source Classification Code: 3-05-015-20

Process Description:

This process comprises the sizing of wallboard to customary specification. The process may generate particulates which are vented to the atmosphere through a bag house.

Emission Source/Control: 00C33 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 0ES33 - Process

**Item 31.17:**

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

Emission Unit: 0-00E38

Process: 038

Source Classification Code: 3-05-015-20

Process Description:

This emission unit serves the combustion and process emissions from the board dryer. The board dryer has a design heat input rating of 157 mmbtu/hr and combusts natural gas.

Emission Source/Control: 0ES38 - Combustion

Design Capacity: 157 million Btu per hour

**Condition 32: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-000F6

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**DEVICE PARAMETERS AS SURROGATE**

**Monitoring Description:**

No visible emissions are permitted from the vents of the building housing the receiving hopper/ and feeder. Lafarge shall perform daily visual observations and record the observations on a log. Any visual emissions observed shall be reported verbally to the department with 24 hours and shall be included in the semi annual reports.

Method 22 shall be performed annually and results shall be included in the annual certification statement.

Manufacturer Name/Model Number: N/A

Parameter Monitored: VISIBLE EMISSIONS

Upper Permit Limit: 0 occurrences per month

Reference Test Method: Method 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED MORE THAN ONCE PER CALENDAR YEAR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 33: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-000F7

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 visible emissions are permitted from the vents of the building housing the receiving hopper/ and feeder. Lafarge



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

shall perform daily visual observations and record the observations on a log. Any visual emissions observed shall be reported verbally to the department with 24 hours and shall be included in the semi annual reports.

Method 22 shall be performed annually and results shall be included in the annual certification statement.

Manufacturer Name/Model Number: N/A

Parameter Monitored: VISIBLE EMISSIONS

Upper Permit Limit: 0 occurrences per month

Reference Test Method: Method 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED MORE THAN ONCE PER CALENDAR YEAR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 34: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 212.3(b)**

**Item 34.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 34.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The baghouse will be monitored to insure 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



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Parameter Monitored: PRESSURE CHANGE  
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 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 35: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 212.6**

**Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17 Emission Point: 0PT17

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:

A baghouse pressure differential shall be checked. The facility is responsible for operating under manufacturer's recommended pressure range. The facility is also responsible for maintaining the air pollution control devices as per manufacturer's operational and maintenance manuals. The monitoring will be done in conjunction with requirement 6 NYCRR Part 212.3 (b) of this permit which requires DAILY observation while the unit is operated so that it is ensured that the opacity limits are not exceeded.

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 (METHOD 9)



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E17 Emission Point: OPT17  
Process: 017

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

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the NO<sub>x</sub> RACT emission limits for the roller mill flash dryer burners will be met through annual maintenance tune-ups performed in accordance with the burner manufacturer's recommendations.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 37: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 212.10**

**Item 37.1:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reference Test Method: n/a

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 38: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 38.1:**

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 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reference Test Method: n/a

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 39: Compliance Certification**



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart UUU**

**Item 39.1:**

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 39.2:**

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 emission 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 1/30/2008.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 40CFR 60.732(a), NSPS Subpart UUU**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E30 Emission Point: OPT30

Regulated Contaminant(s):



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

CAS No: 0NY075-00-0 PARTICULATES

**Item 40.2:**

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 contains 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 will be conducted not later than 180 days of the start up day. Tests results will be submitted to the department within 30 days of the test.

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

Manufacturer Name/Model Number: n/a

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.092 grams per cubic meter

Reference Test Method: method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 41: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 40CFR 64**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 41.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



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:

Indicators:

Visible emissions from the baghouse exhaust will be monitored daily. When a bag house 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.

The baghouse differential pressure will be monitored twice per shift. When the baghouse is operating properly the differential pressure is within the manufacturer's permissible limit range. Any reading outside the manufacturer's permissible range indicates reduced performance of the particulate control device; therefore the baghouse differential pressure is also used as a performance indicator.

Indicator Range:

The selected indicator range is no visible emissions. This approach identifies a change in control performance indicated by any visible emissions. When an excursion occurs, corrective action will be initiated, beginning with an evaluation of the occurrence to determine the action required to correct the situation.

The selected indicator range is the manufacturer's permissible operating range. When an excursion occurs, corrective action will be initiated, beginning with an evaluation of the occurrence to determine the action required to correct the situation.

**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**



**Performance Criteria:**

Visible emissions measurements will be made at the emission point. If visible emissions are observed during any Method 22 test, corrective actions shall be initiated within one hour. Within 24 hours at the end of the Method 22 test, conduct a follow-up Method 22 test. If visible emissions are still observed, conducted a visual opacity test in accordance with Method 9 of Appendix A of 40 CFR part 60. The method 9 test shall be conducted within one-hour of the end of the following-up Method 22 test and the duration of the Method 9 test shall be six minutes. Method 22 observations will be performed monthly. The observer will record the visual emissions observation.

If the bag house differential pressure is outside of the manufacturer's permissions limit, immediate actions are taken to bring the pressure in the target. The cause, actions taken and other pertinent parameters are recorded in the logbook. The operators record the bag house differential pressure twice per shift.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 212.6**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E31 Emission Point: 0PT31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

**Item 42.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A baghouse pressure 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.

Manufacturer Name/Model Number: n/a

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: n/a

Monitoring Frequency: WEEKLY

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 1/30/2008.

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

**Condition 43: Compliance Certification**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable Federal Requirement: 6NYCRR 212.10**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00E38 Emission Point: OPT38

Regulated Contaminant(s):

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

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reference Test Method: RACT



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 44: Contaminant List**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 44.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

**Condition 45: Unavoidable noncompliance and violations**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

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

**Item 45.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.



**New York State Department of Environmental Conservation**

**Permit ID: 3-5522-00087/00019**

**Facility DEC ID: 3552200087**

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) 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.

**Condition 46: Air pollution prohibited**  
**Effective between the dates of 08/27/2007 and 08/26/2012**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 46.1:**

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.