



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 3-5522-00087/00019  
Mod 0 Effective Date: 08/27/2007 Expiration Date: 08/26/2012  
Mod 1 Effective Date: Expiration Date:  
Mod 2 Effective Date: Expiration Date:

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:  
This application with its attachments constitutes a request for modifications for the existing Title V operating permit for Lafarge North America, Inc. The modification is required to accommodate the planned addition of equipment to the existing recycle system in the crusher building.



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 S 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 compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

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

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

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

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

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

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



## **LIST OF CONDITIONS**

### **DEC GENERAL CONDITIONS**

#### **General Provisions**

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

#### **Facility Level**

- Submission of application for permit modification or renewal-REGION 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:**



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



**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:

Permit Expiration Date:



## 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

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 23 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-7: Facility Permissible Emissions
- \*1-1 6NYCRR 201-7: Capping Monitoring Condition
- \*1-2 6NYCRR 201-7: Capping Monitoring Condition
- \*26 : Capping Monitoring Condition
- \*27 : Capping Monitoring Condition

#### Emission Unit Level

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

#### EU=0-000F7

- 1-5 6NYCRR 211.3: Compliance Certification
- 1-3 40CFR 60.8, NSPS Subpart A: Compliance Certification
- 1-4 40CFR 60, NSPS Subpart OOO: Compliance Certification

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 44 ECL 19-0301: Contaminant List

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 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 - 6 NYCRR 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 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 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 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.

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

**Condition 23: Emission Unit Definition**

**Effective between the dates of 08/27/2007 and Permit Expiration Date**

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

**Item 23.1(From Mod 1):**

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 inside the crusher building. This unit started operation in January of 2006 and was modified with Modification No.1 to the first Renewal of the permit (R1-M1) which was submitted in July 1, 2008.

This R1-M1 covers additional equipment such as the new gypsum waste crusher, feeder, hopper and associated conveying equipment inside the crusher building. The crusher and feeder (located inside the crusher building) will be subject to NSPS Subpart OOO requirements.

Building(s): CRUSHER

**Item 23.2(From Mod 0):**

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 23.3(From Mod 0):**

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 23.4(From Mod 0):**

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 23.5(From Mod 0):**

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

Building(s): MAIN PLANT

**Item 23.6(From Mod 0):**

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 23.7(From Mod 0):**

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(From Mod 0):**

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

Emission Unit: 0-00E30

Emission Unit Description:

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(From Mod 0):**

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(From Mod 0):**

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(From Mod 0):**

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(From Mod 0):**

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 25: Facility Permissible Emissions**  
**Effective between the dates of 08/27/2007 and Permit Expiration Date**

**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 (From Mod 1) PTE: 80,300 pounds  
per year

Name: OXIDES OF NITROGEN

**Condition 1-1: Capping Monitoring Condition**  
**Effective for entire length of Permit**

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

**Item 1-1.1:**

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 1-1.2:**

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

**Item 1-1.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a



period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 1-1.4:**

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

**Item 1-1.5:**

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

**Item 1-1.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1-1.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The facility shall maintain records to demonstrate compliance with this condition. This cap is placed to avoid triggering requirements specified under 6NYCRR Part 231-2 (NSR).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 80,300 pounds per year

Reference Test Method: Fuel records

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-2: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 1-2.1:**

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 1-2.2:**

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

**Item 1-2.3:**

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

**Item 1-2.4:**

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

**Item 1-2.5:**

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

**Item 1-2.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1-2.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Parameter Monitored: 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.

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

**Condition 26: Capping Monitoring Condition**



Effective between the dates of 08/27/2007 and Permit Expiration Date

**Applicable Federal Requirement:**

**Expired by Mod 1**

**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:**

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 Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**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:**

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).

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

**Condition 31:      Process Definition By Emission Unit**

**Effective between the dates of 08/27/2007 and Permit Expiration Date**

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

**Item 31.1(From Mod 1):**

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

Emission Unit: 0-000F7



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

Process Description:

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

Emission Source/Control: S008A - Process

Design Capacity: 175,200 tons per year

**Item 31.2(From Mod 1):**

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

Emission Unit: 0-000F7

Process: 08B

Source Classification Code: 3-05-015-03

Process Description:

This process covers the loading Hopper for de-papered pulverized board located outside the crusher building. This process will only generate fugitive particulate emissions. Loading to the hopper will be done through an existing front end loader. This process is exempt from requirements of NSPS subpart OOO.

Emission Source/Control: S008B - Process

Design Capacity: 175,200 tons per year

**Item 31.3(From Mod 1):**

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

Emission Unit: 0-000F7

Process: 08C

Source Classification Code: 3-05-015-05

Process Description:

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

Emission Source/Control: S008C - Process

Design Capacity: 175,200 tons per year

**Item 31.4(From Mod 1):**

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

Emission Unit: 0-000F7

Process: 08D

Source Classification Code: 3-05-015-05

Process Description:

This process represents the new conveyors to be added as part of the recycle System Modification. There are total



of 3 drop points associated with the conveying system which are as follows: 1) From Hopper Conveyor to J.C. Steele Feeder, 2) From J.C. Steel Conveyor to existing plant feed conveyor and 3) From z conveyor to existing J.C. Steele Double Metering Feeder. The process throughout of each drop point is 20 tons per hour, therefore, the combined throughput is listed as 60 tons per hour below.

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

**Item 31.5(From Mod 0):**

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 31.6(From Mod 0):**

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 31.7(From Mod 0):**

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 associated with mechanical conveyance of crushed rock or



synthetic gypsum which are not regulated by a NSPS.

Emission Source/Control: 0BES1 - Process

**Item 31.8(From Mod 0):**

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 31.9(From Mod 0):**

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 31.10(From Mod 0):**

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.

Emission Source/Control: 00AF3 - Process

**Item 31.11(From Mod 0):**

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 31.12(From Mod 0):**

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 31.13(From Mod 0):**

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 31.14(From Mod 0):**

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

Emission Unit: 0-000F7

Process: 07A

Source Classification Code: 3-05-015-18

Process Description:

This process involves the conveying of reclaimed gypsum via the receiving 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 31.15(From Mod 0):**

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

Emission Unit: 0-000F7

Process: 07B

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 31.16(From Mod 0):**

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 31.17(From Mod 0):**

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

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 31.18(From Mod 0):**

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 31.19(From Mod 0):**

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

**Item 31.20(From Mod 0):**

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 31.21(From Mod 0):**

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 1-5: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 211.3**

**Item 1-5.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-000F7

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Facility will keep equipment in good working order and inspect them on a weekly basis and necessary maintenance work as needed. Inspections and inspections' results shall be recorded in a log book which shall be available to the department upon request.

Reference Test Method: N/A

Monitoring Frequency: WEEKLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-3: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A**

**Item 1-3.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-000F7

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-3.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial start up of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall submit test protocols and following the approval of the test protocols shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s) within 30 days following the completion of the tests.

Upper Permit Limit: 0.022 grains per dscf

Reference Test Method: Method 5 or Method 11

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-4: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-4.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-000F7

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the 60th day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial start up, no owner or operator shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit opacity greater than the value stated below.



In addition, if any transfer point on a conveyor belt or any other affected facility is enclosed in a building, the building enclosing the affected facility or facilities must comply with the following emission limits:

(1) No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in §60.671.

(2) No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limit stated below.

Daily monitoring and recordkeeping is required.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE 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 Permit Expiration Date**

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

**Item 44.1:**

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

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

CAS No: 0NY210-00-0



Name: OXIDES OF NITROGEN

