



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 5-1552-00005/00133
Mod 0 Effective Date: 06/16/2000 Expiration Date: No expiration date.
Mod 1 Effective Date: 01/24/2006 Expiration Date: No expiration date.
Mod 2 Effective Date: 07/01/2010 Expiration Date: No expiration date.

Permit Issued To: NYCO MINERALS INC
803 MOUNTAIN VIEW DR
PO BOX 368
WILLSBORO, NY 12996-0368

Contact: DANIEL VOTRAW
NYCO MINERALS
803 MOUNTAIN VIEW DR PO BOX 368
WILLSBORO, NY 12996-0368
(518) 963-2148

Facility: NYCO WOLLASTOCOAT PRODUCT PLANT
803 MOUNTAIN VIEW DR
WILLSBORO, NY 12996

Description:
NYCO Minerals produces a range of products derived from wollastonite (calcium metasilicate) ore. The ore is open pit mined and transported to the Willsboro plant for processing. The facility consists of two processing plants and supporting operations. The facility operates several crushing, screening, separating, mixing and drying operations.

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: MICHAEL J MCMURRAY
NYSDEC
PO BOX 296
RAY BROOK, NY 12977-0296

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
 - Applications for Permit Renewals and Modifications
 - Permit modifications, suspensions or revocations by the Department
 - Applications for Permit Renewals and Modifications
 - Permit Modifications, Suspensions and Revocations by the Department
 - Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 5 SUBOFFICE
- Submission of application for permit modification or renewal-REGION 5 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
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 2-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:

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 2-1.2:

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 2-1.3:

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.



Applicable State Requirement: 6 NYCRR 621.13

Expired by Mod No: 2

Item 1-1.1:

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

Item 1-1.2:

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 1-1.3:

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 2-2: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 2-2.1:

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.

Condition 3: Applications for Permit Renewals and Modifications

Applicable State Requirement: 6 NYCRR 621.13 (a)

Expired by Mod No: 2

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the



Applicable State Requirement: 6 NYCRR 621.14

Item 1-2.1:

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.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6 NYCRR 621.14

Expired by Mod No: 2

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

****** Facility Level ******

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 5 SUBOFFICE

Applicable State Requirement: 6 NYCRR 621.5 (a)

Expired by Mod No: 2

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Hudson St, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

Condition 2-3: Submission of application for permit modification or renewal -REGION 5



HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 2-3.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 5 Headquarters
Division of Environmental Permits
Route 86, PO Box 296
Ray Brook, NY 12977-0296
(518) 897-1234

New York State Department of Environmental Conservation

Permit ID: 5-1552-00005/00133

Facility DEC ID: 5155200005



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: NYCO MINERALS INC
803 MOUNTAIN VIEW DR
PO BOX 368
WILLSBORO, NY 12996-0368

Facility: NYCO WOLLASTOCOAT PRODUCT PLANT
803 MOUNTAIN VIEW DR
WILLSBORO, NY 12996

Authorized Activity By Standard Industrial Classification Code:
1429 - CRUSHED AND BROKEN STONE NEC

Mod 0 Permit Effective Date: 06/16/2000
date.

Permit Expiration Date: No expiration

Mod 1 Permit Effective Date: 01/24/2006
date.

Permit Expiration Date: No expiration

Mod 2 Permit Effective Date: 07/01/2010
date.

Permit Expiration Date: No expiration



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 2-1 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-3 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 1-4 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 2-2 6 NYCRR 202-1.1: Required Emissions Tests
- 1-6 6 NYCRR 211.3: Visible Emissions Limited
- 1-7 6 NYCRR 201-7.1: Facility Permissible Emissions
- *1-8 6 NYCRR 201-7.1: Capping Monitoring Condition
- *1-9 6 NYCRR 201-7.1: Capping Monitoring Condition
- 1-10 6 NYCRR 212.4 (c): Compliance Demonstration
- 1-11 6 NYCRR 212.4 (c): Compliance Demonstration
- 1-12 6 NYCRR 212.6 (a): Compliance Demonstration
- 20 6 NYCRR 225-1.2 (d): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-13 ECL 19-0301: Contaminant List
- 2-3 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 41 6 NYCRR Subpart 201-5: General Provisions
- 42 6 NYCRR Subpart 201-5: Emission Unit Definition
- 2-4 6 NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 45 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 46 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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



required to operate such device effectively.

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

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 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 F: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Required Emission Tests - 6 NYCRR 202-1.1



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item K: Visible Emissions Limited - 6 NYCRR 211.3

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.

Item L: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item M: 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 N: 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1-1: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Part 215

Item 1-1.1:

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.

Condition 2-1: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 07/01/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 2-1.1:

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 1-3: Exempt Sources - Proof of Eligibility
Effective between the dates of 01/24/2006 and Permit Expiration Date

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

Item 1-3.1:

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 1-4: Trivial Sources - Proof of Eligibility
Effective between the dates of 01/24/2006 and Permit Expiration Date

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

Item 1-4.1:

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

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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 2-2: Required Emissions Tests
Effective between the dates of 07/01/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 2-2.1:

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

Condition 1-6: Visible Emissions Limited
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 211.3

Item 1-6.1:

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 1-7: Facility Permissible Emissions
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 2-7.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

per year CAS No: 0NY100-00-0 (From Mod 2) PTE: 49,000 pounds

Name: HAP

per year CAS No: 0NY998-00-0 (From Mod 2) PTE: 98,000 pounds

Name: VOC

Condition 1-8: Capping Monitoring Condition
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.1



Item 1-8.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 1-8.2:

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

Item 1-8.3:

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 1-8.4:

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 1-8.5:

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 1-8.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 1-8.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of Hazardous Air Pollutants (HAPs) shall not exceed 24.5 tons per year (49,000 lbs / year) and emissions of any individual HAP shall not exceed 9.9 tons per year (19,800 lbs / year) as determined by summing monthly HAP emissions during any consecutive 12 month period. Records shall be maintained on-site which demonstrate compliance with the HAP cap. These records shall include mass emissions totaled over each month and



the total mass emissions over each rolling 12 month period. Calculations of mass emissions are based on actual pounds of HAPs created in the mixing and pilot processes minus pounds of HAPs condensed out of the exhaust gas plus HAPs from combustion and exempt sources using emission factors at PTE levels.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 12 calendar month(s).

Condition 1-9: Capping Monitoring Condition
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1-9.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 1-9.2:

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

Item 1-9.3:

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 1-9.4:

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 1-9.5:

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 1-9.6:

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The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-9.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of VOCs shall not exceed 49 tons per year (98,000 lbs / year) as determined by summing monthly VOC emissions during any consecutive 12 month period. Records shall be maintained on-site which demonstrate compliance with the VOC cap. These records shall include mass emissions totaled over each month and the total mass emissions over each rolling 12 month period. Calculations of mass emissions are based on actual pounds of VOCs created in the mixing and pilot processes minus the pounds of VOCs condensed out of the exhaust gas plus VOCs from combustion and exempt sources using emission factors at PTE levels.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 1-10: Compliance Demonstration

Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-10.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At least once per day, except during conditions of extreme weather, (fog, snow, rain) the facility operator shall observe the stacks of all operating processes for visible emissions. If visible emissions are detected that are above those that are normal (this may be zero percent

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for many stacks) the facility operator shall immediately determine the cause and make the necessary correction. The records of these observations and actions will be written in a set of bound log books at the facility and shall be available for inspection by Department representatives. Records will be maintained for at least 5 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-11: Compliance Demonstration
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 1-11.1:

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

Emission Unit: 1-CLASS

Emission Unit: 1-CLEAN

Emission Unit: 1-CRUSH

Emission Unit: 1-GENER

Emission Unit: 1-GRIND

Emission Unit: 1-KILND

Emission Unit: 1-MAGNS

Emission Unit: 1-MIXER

Emission Unit: 1-PILOT

Emission Unit: 1-STORE

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

Item 1-11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions are limited to 0.05 grains per dry standard cubic foot of exhaust. Compliance will be demonstrated by stack test at the request of permitting



authority.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-12: Compliance Demonstration
Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 1-12.1:

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

Emission Unit: 1-CLASS

Emission Unit: 1-CLEAN

Emission Unit: 1-CRUSH

Emission Unit: 1-GENER

Emission Unit: 1-GRIND

Emission Unit: 1-KILND

Emission Unit: 1-MAGNS

Emission Unit: 1-MIXER

Emission Unit: 1-PILOT

Emission Unit: 1-STORE

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any 6 consecutive minutes of 20 percent or greater from any process source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a method 9 opacity evaluation at any time during facility operation.

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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 20: Compliance Demonstration
Effective between the dates of 06/16/2000 and Permit Expiration Date

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

Item 20.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

No fuel will be purchased or used which has a sulfur
content exceeding 1.5% sulfur by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.



Condition 1-13: Contaminant List

Effective between the dates of 01/24/2006 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 1-13.1:

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

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 2-3: Unavoidable noncompliance and violations

Effective between the dates of 07/01/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 2-3.1:

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.

(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 41: General Provisions

Effective between the dates of 06/16/2000 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 41.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 41.2:

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.

Item 41.3:

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.

Condition 42: Emission Unit Definition

Effective between the dates of 06/16/2000 and Permit Expiration Date



Applicable State Requirement:6 NYCRR Subpart 201-5

Item 42.1(From Mod 2):

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

Emission Unit: 1-CLASS

Emission Unit Description:

This emission unit consists of classifiers that pneumatically separate the Wollastonite material into specified particle sizes.

Building(s): PLANT1
PLANT2

Item 42.2(From Mod 2):

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

Emission Unit: 1-CLEAN

Emission Unit Description:

This emission unit consists of in-house vacuum cleaning systems.

Building(s): PLANT1
PLANT2

Item 42.3(From Mod 2):

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

Emission Unit: 1-CRUSH

Emission Unit Description:

This emission unit consists of various primary crushing and screening operations that further separate garnet from the wollastonite ore.

Building(s): PLANT1

Item 42.4(From Mod 2):

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

Emission Unit: 1-GENER

Emission Unit Description:

This emission unit consists of general room exhausts for plant ventilation purposes.

Building(s): PLANT1

Item 42.5(From Mod 2):

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

Emission Unit: 1-GRIND

Emission Unit Description:

This emission unit consists of various equipment, and their associated dust collectors, which further grinds the separated wollastonite mineral from the primary crushing/magnetic separation operations. Dust generated from the operations are collected and ducted to fabric



filters for emissions control.

Building(s): PLANT1
PLANT2

Item 42.6(From Mod 2):

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

Emission Unit: 1-KILND

Emission Unit Description:

This emission unit consists of an 11.5 mmBtu/hr liquid propane fired fluid bed dryer. The dryer is used to air-dry wollastonite ore.

Building(s): PLANT1

Item 42.7(From Mod 2):

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

Emission Unit: 1-MAGNS

Emission Unit Description:

This emission unit consists of wollastonite ore crushing, screening and magnetic separation. The exhaust from those operations are combined and directed to a baghouse and then exhausted to atmosphere.

Building(s): PLANT1

Item 42.8(From Mod 2):

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

Emission Unit: 1-MIXER

Emission Unit Description:

This emission unit consists of process mixers, storage bins, and their respective add-on control devices, which mix the wollastonite with silane material to manufacture various products. The mixers vent through individual filter dust collectors.

Building(s): PLANT2

Item 42.9(From Mod 2):

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

Emission Unit: 1-PILOT

Emission Unit Description:

This emission unit consists of plant 2 pilot operations.

Building(s): PLANT2

Item 42.10(From Mod 2):

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

Emission Unit: 1-STORE

Emission Unit Description:

This emission unit consists of various storage, and packing operation associated with the manufacture of

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wollastonite products.

Building(s): PLANT1
PLANT2

Condition 2-4: Air pollution prohibited
Effective between the dates of 07/01/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 2-4.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

Condition 45: Emission Point Definition By Emission Unit
Effective between the dates of 06/16/2000 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 45.1(From Mod 2):

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

- Emission Unit: 1-CLASS
- Emission Point: 00050
 - Height (ft.): 65 Diameter (in.): 18
 - NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1
- Emission Point: 00055
 - Height (ft.): 45 Diameter (in.): 10
 - NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2
- Emission Point: 00072
 - Height (ft.): 97 Diameter (in.): 20
 - NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Item 45.2(From Mod 2):

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

- Emission Unit: 1-CLEAN
- Emission Point: 00010
 - Height (ft.): 26 Diameter (in.): 6
 - NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

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Emission Point: 00022
Height (ft.): 45 Diameter (in.): 6
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00023
Height (ft.): 110 Diameter (in.): 8
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Item 45.3(From Mod 2):

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

Emission Unit: 1-CRUSH

Emission Point: 00001
Height (ft.): 40 Diameter (in.): 28
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Item 45.4(From Mod 2):

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

Emission Unit: 1-GENER

Emission Point: 00065
Height (ft.): 46 Diameter (in.): 48
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00066
Height (ft.): 58 Diameter (in.): 22
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00067
Height (ft.): 64 Diameter (in.): 49
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00068
Height (ft.): 64 Diameter (in.): 49
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00069
Height (ft.): 64 Diameter (in.): 49
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00070
Height (ft.): 39 Diameter (in.): 37
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00071
Height (ft.): 15 Diameter (in.): 37
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Item 45.5(From Mod 2):



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

Emission Unit:	1-GRIND		
Emission Point:	00004		
Height (ft.):	65	Diameter (in.):	22
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00007		
Height (ft.):	65	Diameter (in.):	14
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00008		
Height (ft.):	65	Diameter (in.):	14
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00009		
Height (ft.):	65	Diameter (in.):	22
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00011		
Height (ft.):	30	Diameter (in.):	12
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00012		
Height (ft.):	30	Diameter (in.):	12
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00013		
Height (ft.):	30	Diameter (in.):	12
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00014		
Height (ft.):	28	Length (in.):	12
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Width (in.):	9
		Building:	PLANT1
Emission Point:	00053		
Height (ft.):	65	Diameter (in.):	19
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT1
Emission Point:	00073		
Height (ft.):	101	Diameter (in.):	20
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT2
Emission Point:	00074		
Height (ft.):	101	Diameter (in.):	20
NYTMN (km.):	4913.123	NYTME (km.):	627.13
		Building:	PLANT2

Item 45.6(From Mod 2):

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

Emission Unit: 1-KILND

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Emission Point: 00049
Height (ft.): 65 Diameter (in.): 24
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Item 45.7(From Mod 2):

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

Emission Unit: 1-MAGNS

Emission Point: 00003
Height (ft.): 66 Length (in.): 36 Width (in.): 36
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00006
Height (ft.): 65 Diameter (in.): 22
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Item 45.8(From Mod 2):

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

Emission Unit: 1-MIXER

Emission Point: 00037
Height (ft.): 110 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00038
Height (ft.): 110 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00039
Height (ft.): 110 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00040
Height (ft.): 110 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00041
Height (ft.): 110 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00048
Height (ft.): 110 Length (in.): 31 Width (in.): 22
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Item 45.9(From Mod 2):

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

Emission Unit: 1-PILOT

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Emission Point: 00018
Height (ft.): 45 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00019
Height (ft.): 45 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00021
Height (ft.): 45 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Item 45.10(From Mod 2):

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

Emission Unit: 1-STORE

Emission Point: 00029
Height (ft.): 110 Diameter (in.): 6
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00044
Height (ft.): 99 Diameter (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00051
Height (ft.): 65 Diameter (in.): 30
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00052
Height (ft.): 25 Diameter (in.): 22
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00057
Height (ft.): 65 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00058
Height (ft.): 65 Length (in.): 7 Width (in.): 7
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00059
Height (ft.): 65 Length (in.): 4 Width (in.): 4
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00060
Height (ft.): 78 Diameter (in.): 4
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00061
Height (ft.): 84 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1



Emission Point: 00062
Height (ft.): 84 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00063
Height (ft.): 79 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00064
Height (ft.): 76 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00075
Height (ft.): 128 Length (in.): 12 Width (in.): 9
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT2

Emission Point: 00076
Height (ft.): 45 Diameter (in.): 32
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00077
Height (ft.): 41 Length (in.): 12 Width (in.): 9
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Emission Point: 00099
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

Item 45.11(From Mod 1):

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

Emission Unit: 1-CRUSH

Emission Point: 00017
Height (ft.): 2 Length (in.): 36 Width (in.): 24
NYTMN (km.): 4913.123 NYTME (km.): 627.13 Building: PLANT1

**Condition 46: Process Definition By Emission Unit
Effective between the dates of 06/16/2000 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 46.1(From Mod 2):

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

Emission Unit: 1-CLASS

Process: 800

Process Description:

This process consists of classifiers that pneumatically separate the Wollastonite material into specified particle sizes. Fabric filters are used to control emissions. The



classifiers are exhausted to the following emission points: EP050 - classifier 103, EP055 - plant 2 classifier circuit - line 3, EP072 - air classifier circuit - RRIMGLOS.

Emission Source/Control: CY261 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: CY262 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: P231A - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC110 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC261 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC271 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00050 - Process

Emission Source/Control: 00055 - Process

Emission Source/Control: 00072 - Process

Item 46.2(From Mod 2):

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

Emission Unit: 1-CLEAN

Process: 010

Process Description:

This process consists of housecleaning vacuum systems. Fabric filters are used to control emissions. The vacuum systems are exhausted to the following emission points: EP010 - plant 1 Spencer vacuum system, EP022 - plant 2 pilot vacuum system, EP023 - plant 2 Spencer vacuum system.

Emission Source/Control: DC081 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC200 - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: VC080 - Control



Control Type: FABRIC FILTER

Emission Source/Control: 00010 - Process

Emission Source/Control: 00022 - Process

Emission Source/Control: 00023 - Process

Item 46.3(From Mod 2):

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

Emission Unit: 1-CRUSH

Process: 100

Process Description:

This process consists of crushing and screening of wollastonite ore to remove garnet impurities. Fabric filters are used to control emissions. The crushing/screening operations are exhausted through the following emission points: EP001 - primary crushing/screening/bucket elevators. EP017 - primary and secondary crushing.

Emission Source/Control: DC001 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC101 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00001 - Process

Emission Source/Control: 00017 - Process

Emission Source/Control: BE001 - Process

Emission Source/Control: S0001 - Process

Item 46.4(From Mod 2):

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

Emission Unit: 1-GENER

Process: 900

Process Description:

This process consists of general room exhausts. Emissions are exhausted directly to atmosphere. The general room exhausts are associated with the following emissions points: EP065 - room exhaust/general vent, EP070 - room exhaust/general vent, EP066 - room exhaust/general vent, EP071 - room exhaust/general vent, EP067 - room exhaust/general vent, EP068 - room exhaust/general vent, EP069 - room exhaust/general vent.

Emission Source/Control: 00065 - Process



Emission Source/Control: 00066 - Process

Emission Source/Control: 00067 - Process

Emission Source/Control: 00068 - Process

Emission Source/Control: 00069 - Process

Emission Source/Control: 00070 - Process

Emission Source/Control: 00071 - Process

Item 46.5(From Mod 2):

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

Emission Unit: 1-GRIND

Process: 300

Process Description:

This process consists of various milling and grinding operations, which further process the crushed and dried wollastonite. Fabric filters are used to control emissions. The fine grinding operations are exhausted through the following emission points: EP004 - pebble mill #2; EP011 - G40 circuit; EP053 - pebble mill #1; EP007 - DC006; EP012 - DC011; EP073 - jet mill north; EP013 - DC012; EP074 - jet mill south; EP009 - pebble mill #3; EP 014 - 6 & 7F-1 and BIN PKG 021.

Emission Source/Control: BV169 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC006 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC010 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC011 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC012 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC013 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC014 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC015 - Control
Control Type: FABRIC FILTER

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Emission Source/Control: DC019 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC020 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC021 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC204 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC150 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC151 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC263 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC273 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00004 - Process

Emission Source/Control: 00007 - Process

Emission Source/Control: 00008 - Process

Emission Source/Control: 00009 - Process

Emission Source/Control: 00011 - Process

Emission Source/Control: 00012 - Process

Emission Source/Control: 00013 - Process

Emission Source/Control: 00014 - Process

Emission Source/Control: 00053 - Process

Emission Source/Control: 00073 - Process

Emission Source/Control: 00074 - Process

Emission Source/Control: 00100 - Process

Emission Source/Control: 0015A - Process

Emission Source/Control: VC002 - Process



Item 46.6(From Mod 2):

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

Emission Unit: 1-KILND

Process: 600

Process Description:

This process consists of an LP fired fluid bed dryer used to air-dry wollastonite ore. The kiln/dryer is vented to a fabric filter. The kiln/dryer is exhausted through the following emission point: EP 049 - fluid bed dryer.

Emission Source/Control: CY102 - Control

Control Type: CENTRIFUGAL

Emission Source/Control: DC102 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00049 - Process

Item 46.7(From Mod 2):

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

Emission Unit: 1-MAGNS

Process: 200

Process Description:

This process consists of vibrating conveyors and screen sizing of particles for more efficient magnetic separation of impurities from the crushed wollastonite ore. A fabric filter is used for emissions control. The process is exhausted through the following emissions point: EP003 - beneficiation EP006 - beneficiation dust collection.

Emission Source/Control: DC002 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC003 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC009 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00003 - Process

Emission Source/Control: 00006 - Process

Emission Source/Control: VC001 - Process

Item 46.8(From Mod 2):

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

Emission Unit: 1-MIXER

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Process: 501

Process Description:

This process consists of process heating mixers and their respective add-on control devices, which mix the wollastonite with coating solutions to manufacture various products. This process is exhausted to the following emission point: EP048 - heating mixers.

Emission Source/Control: DC213 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC223 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC233 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC243 - Control

Control Type: FABRIC FILTER

Emission Source/Control: VR001 - Control

Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00048 - Process

Item 46.9(From Mod 2):

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

Emission Unit: 1-MIXER

Process: 502

Process Description:

Process consists of final product storage bins and packers. Emissions are controlled by a common dust collector for each process line. The treatment process operations are exhausted through the following emission points: EP037 - Line 1 storage and package; EP038 - Line 2 storage and package; EP039 - Line 3 storage and package; EP040 - Line 4 storage and package; EP041 - Line 5 storage and package.

Emission Source/Control: BV212 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BV222 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BV232 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC241 - Control

Control Type: FABRIC FILTER



Emission Source/Control: DC251 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00037 - Process

Emission Source/Control: 00038 - Process

Emission Source/Control: 00039 - Process

Emission Source/Control: 00040 - Process

Emission Source/Control: 00041 - Process

Item 46.10(From Mod 2):

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

Emission Unit: 1-PILOT

Process: 700

Process Description:

This process, located in plant 2, consists of pilot plant test operations for new wollastonite product lines. The pilot plant operations are exhausted through the following emission points: EP018 - pilot plant test room no.1, EP019 - pilot plant test room no.2, EP021 - pilot plant test room no.5.

Emission Source/Control: DC201 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC202 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC203 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00018 - Process

Emission Source/Control: 00019 - Process

Emission Source/Control: 00021 - Process

Item 46.11(From Mod 2):

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

Emission Unit: 1-STORE

Process: 400

Process Description:

This process consists of various product receivers/collectors (storage bins/silos). Fabric filters are used to control emissions. The storage bins are exhausted through the following emission points: EP029 -



raw product storage bin 220a and 220b, EP058 - nyad 325 storage bin 018, EP063 - packaging bin 007, EP044 - holding bins/packers, EP059 - nyad 400 storage bin 019, EP064 - packaging bin 008, EP051 - packing line and offline, EP060 - nyad 1250 storage bin 020, EP075 - bin vent 201, EP052 - metal silo, EP061 - packaging bin 003, EP076 - acm 300 mill, EP057 - acm 300 feed tank, EP062 - packaging bin 004, EP077- acm 300/95 ton bin, EP099 - rail loadout tank.

Emission Source/Control: BV002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV006 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV007 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV101 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV102 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV105 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV106 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV116 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV141 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV143 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BV144 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC018 - Control
Control Type: FABRIC FILTER

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Emission Source/Control: DC022 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC264 - Control
Control Type: FABRIC FILTER

Emission Source/Control: P221A - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC142 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC211 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PC221 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00029 - Process

Emission Source/Control: 00044 - Process

Emission Source/Control: 00051 - Process

Emission Source/Control: 00052 - Process

Emission Source/Control: 00057 - Process

Emission Source/Control: 00058 - Process

Emission Source/Control: 00059 - Process

Emission Source/Control: 00060 - Process

Emission Source/Control: 00061 - Process

Emission Source/Control: 00062 - Process

Emission Source/Control: 00063 - Process

Emission Source/Control: 00064 - Process

Emission Source/Control: 00075 - Process

Emission Source/Control: 00076 - Process

Emission Source/Control: 00077 - Process

Emission Source/Control: 00099 - Process

