

New York State Department of Environmental Conservation
Facility DEC ID: 9140900056



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1409-00056/00001
Effective Date: 02/09/2001
Expiration Date: No expiration date

Permit Issued To: GREAT LAKES CALCIUM CORPORATION
1400 BYLSBY AVENUE
GREEN BAY, WI 54306

Contact: WESLEY H GARNER
GREAT LAKES CALCIUM CORPORATION
1400 BYLSBY AVENUE
GREEN BAY, WI 54306
(920) 432-7731

Facility: GREAT LAKES CALCIUM CORPORATION
1951 HAMBURG TURNPIKE
LACKAWANNA, NY 14218

Description:

Great Lakes Calcium Corporation is a processing facility primarily engaged in the crushing, drying, and sizing of nonmetallic minerals, specifically including high calcium limestone. The high calcium limestone is processed into an approximately minus 10 mesh material for a wide range of uses including utilities, paper mills, and agricultural customers. The facility is located in the City of Lackawanna, Erie County, New York.

The limestone crushing operation is subject to the federal regulation 40 CFR 60 Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants. The specific sources affected by this regulation include each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station.

The majority of the emission sources at the Great Lakes Calcium facility are enclosed in a building. In accordance with, 40CFR60 Subpart OOO, the individual sources within the building may be exempt from the performance requirements of the regulation provided the building and associated stacks or vents satisfy the specified performance standards. As such, Great Lakes Calcium Corporation has included compliance certifications to satisfy the appropriate requirements for the emissions sources which are located outside and for the building itself. For this reason, the permit is structured such that the process identified as OUT includes the sources located outside the building and the process identified as DCT includes the sources located inside the building. The particulate matter standards and performance test requirements for the emission sources are summarized as follows:

FINAL

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Process	Source	Standard	Performance Test*
OUT	00102	10 % Opacity	40CFR60, Appendix A, Method 9
OUT	00103	10 % Opacity	40CFR60, Appendix A, Method 9
OUT	00104	10 % Opacity	40CFR60, Appendix A, Method 9
DCT	00001	0.05 g/dscm	40CFR60, Appendix A, Method 5
DCT	00002	0.05 g/dscm	40CFR60, Appendix A, Method 5
DCT	00001	7 % Opacity	40CFR60, Appendix A, Method 9
DCT	00002	7 % Opacity	40CFR60, Appendix A, Method 9
DCT	Building	0 % Opacity	40CFR60, Appendix A, Method 22

* Some changes to the performance test methods may be specified in 40CFR60 Subpart OOO.

In addition to the above requirements, the limestone crushing operation is subject to the state regulation 6NYCRR Part 212. The particulate emission standards set forth in Part 212 are less restrictive than Subpart OOO. As such, the requirements of Part 212 are not included in this permit.

The potential emissions from the proposed new facility were reviewed to determine the applicability to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). The results from the review indicate the facility is not a major source of emissions and is, therefore, not subject to a PSD review.

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:

DAVID S DENK
DIVISION OF ENVIRONMENTAL PERMITS
270 MICHIGAN AVE
BUFFALO, NY 14203-2999

Authorized Signature:

_____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
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: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 2.1:

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 described in the application 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.

Condition 3: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 3.1:

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 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

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Item 4.1:

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 4.2:

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

Item 5.1:

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 6: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 6.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator

Region 9 Headquarters

Division of Environmental Permits

270 Michigan Avenue

Buffalo, NY 14203-2999

(716) 851-7165

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Facility: GREAT LAKES CALCIUM CORPORATION
1951 HAMBURG TURNPIKE
LACKAWANNA, NY 14218

Authorized Activity By Standard Industrial Classification Code:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

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- 5 6NYCRR 200.7: Maintenance of equipment
- 9 6NYCRR 201-1.7: Recycling and Salvage
- 10 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 12 6NYCRR 201-3.2(a): Proof of Eligibility
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- 14 6NYCRR 202-1.1: Required emissions tests
- 15 6NYCRR 211.3: Visible emissions limited.
- 1 6NYCRR 200.1: Definitions Applicable To This Permit
- 2 6NYCRR 200.3: False statement
- 3 6NYCRR 200.5: Sealing
- 4 6NYCRR 200.6: Acceptable ambient air quality
- 6 6NYCRR 201-1.2: Unpermitted Emission Sources
- 7 6NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 8 6NYCRR 201-1.5: Emergency Defense
- 11 6NYCRR 201-1.10(a): Public Access to Recordkeeping

Emission Unit Level

EU=U-DUSTC

- 17 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 18 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 19 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 20 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 21 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 22 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 23 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 24 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 25 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 26 40CFR 60.675(g), NSPS Subpart OOO: Compliance Demonstration
- 27 40CFR 60.676(f), NSPS Subpart OOO: Compliance Demonstration
- 28 40CFR 60.676(h), NSPS Subpart OOO: Compliance Demonstration
- 29 40CFR 60.676(i)(1), NSPS Subpart OOO: Compliance Demonstration

EU=U-DUSTC,Proc=DCT

- 30 40CFR 60.672(a), NSPS Subpart OOO: Compliance Demonstration
- 31 40CFR 60.672(a)(1), NSPS Subpart OOO: Compliance Demonstration
- 32 40CFR 60.672(a)(2), NSPS Subpart OOO: Compliance Demonstration
- 33 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Demonstration
- 34 40CFR 60.672(e)(2), NSPS Subpart OOO: Compliance Demonstration



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- 35 40CFR 60.675(b), NSPS Subpart OOO: Compliance Demonstration
- 36 40CFR 60.675(b), NSPS Subpart OOO: Compliance Demonstration
- 37 40CFR 60.675(d), NSPS Subpart OOO: Compliance Demonstration

EU=U-DUSTC,Proc=OUT

- 38 40CFR 60.672(b), NSPS Subpart OOO: Compliance Demonstration
- 39 40CFR 60.675(c), NSPS Subpart OOO: Compliance Demonstration
- 40 40CFR 60.675(c), NSPS Subpart OOO: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

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- 42 6NYCRR 201-5: Permit Exclusion Provisions
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- 44 6NYCRR 201-5.3(b): Contaminant List
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Emission Unit Level

- 46 6NYCRR 201-5: Emission Point Definition By Emission Unit
 - 47 6NYCRR 201-5: Process Definition By Emission Unit
- 1422 - CRUSHED AND BROKEN LIMESTONE

Permit Effective Date: 02/09/2001

Permit Expiration Date: No expiration date.



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 16: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Item 16.1:

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

Condition 5: Maintenance of equipment
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 5.1:

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

Condition 9: Recycling and Salvage
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 9.1:

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

Condition 10: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 10.1:

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 12: Proof of Eligibility
Effective between the dates of 02/09/2001 and Permit Expiration Date



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

Item 12.1:

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 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.

Condition 13: Proof of Eligibility

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 13.1:

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.

Condition 14: Required emissions tests

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 14.1:

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 6NYCRR Part 202-1.

Condition 15: Visible emissions limited.

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 15.1:

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-



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minute period per hour of not more than 57 percent opacity.

Condition 1: Definitions Applicable To This Permit
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.1

Item 1.1:

The definitions found in Parts 200 and 201 apply throughout this permit. Specific definitions used in this permit and their meanings include:

1. "Act" refers to the Federal Clean Air Act, 42 U.S.C. Section 7401, et seq., as amended by Public Law 101-549, November 15, 1990.
2. "Administrator" refers to the Administrator of the United States Environmental Protection Agency or designee.
3. "Department" refers to the New York State Department of Environmental Conservation.

Condition 2: False statement
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.3

Item 2.1:

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

Condition 3: Sealing
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.5

Item 3.1:

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any

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contamination source in accordance with this section

Condition 4: Acceptable ambient air quality
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Item 4.1:

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

Condition 6: Unpermitted Emission Sources
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 6.1:

If an existing emission source was subject to the permitting requirements of 6NYCRR 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.

Condition 7: Unavoidable Noncompliance and Violations
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 7.1:

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 or certificate issued for the corresponding air contamination source. Such reports shall describe why the



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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.

(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.

Condition 8: Emergency Defense
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 8.1:

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



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(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.

Condition 11: Public Access to Recordkeeping
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.10(a)

Item 11.1:

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.

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

Condition 17: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 17.1:

This Condition applies to Emission Unit: U-DUSTC

Item 17.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 18: Date of construction notification.
Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 18.1:



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This Condition applies to Emission Unit: U-DUSTC

Item 18.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 2) a notification of the anticipated date of initial start up, post marked not more than 60 days not less than 30 days prior to such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to the performance test.

Condition 19: Performance testing timeline.

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 19.1:

This Condition applies to Emission Unit: U-DUSTC

Item 19.2:

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

Condition 20: Performance test methods.

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

Item 20.1:

This Condition applies to Emission Unit: U-DUSTC

Item 20.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 21: Required performance test information.

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 21.1:

This Condition applies to Emission Unit: U-DUSTC

Item 21.2:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 22: Prior notice.

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 22.1:

This Condition applies to Emission Unit: U-DUSTC

Item 22.2:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 23: Performance testing facilities.

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 23.1:

This Condition applies to Emission Unit: U-DUSTC

Item 23.2:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;



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- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 24: Number of required tests.
Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 24.1:

This Condition applies to Emission Unit: U-DUSTC

Item 24.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 25: Opacity standard compliance testing.
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

Item 25.1:

This Condition applies to Emission Unit: U-DUSTC

Item 25.2:

The following conditions shall be used to determine compliance with the opacity standards:

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and
- 3) all other applicable conditions cited in section 60.11 of this part.

Condition 26: Compliance Demonstration
Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 26.1:

The Compliance Demonstration activity will be performed for:



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Regulated Contaminant(s):

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Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If, after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.676(f), NSPS Subpart OOO

Item 27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Regulated Contaminant(s):

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Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672 of this subpart, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22



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to demonstrate compliance with 40 CFR 60.672(e).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Demonstration
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.676(h), NSPS Subpart OOO

Item 28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Regulated Contaminant(s):

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Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The subpart A requirement under 40 CFR 60.7(a)(2), specified in Condition #18, item 2, of this permit, for notification of the anticipated date of initial startup of an affected facility, shall be waived for owners or operators of affected facilities regulated under 40 CFR 60 Subpart OOO.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Demonstration
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.676(i)(1), NSPS Subpart OOO

Item 29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Regulated Contaminant(s):

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Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 30.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Great Lakes Calcium utilizes two pulse-jet fabric filters to capture product from the processing of high calcium limestone. The pulse-jet fabric filters are identified in the permit as emission sources 00118 and 00121. The

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emission points associated with these sources are identified as 00001 and 00002. Great Lakes Calcium monitors the performance of the fabric filters by measuring the static pressure drop or difference between the gas stream pressures before and after the baghouse.

A pulse jet baghouse with new bags that have not yet been exposed to dust would normally have a static pressure drop of 0.5 to 1.5 inches of water. During normal operation, the pulse-jet baghouses would be expected to have a static pressure drop between 3 and 8 inches of water. The difference between the static pressure drop across a clean, new unit and one in normal service is due to the gas flow resistance through the dust layer on each bag. The dust layer is important since it is responsible for much of the particulate filtering. Very low static pressure drops can often indicate inadequate dust layers for proper filtering. This may be caused by reduced gas flow rates, excessive cleaning intensities or frequencies, or reduced inlet particulate loadings. Very high static pressure drops generally indicate high gas flow rates, inadequate cleaning, or the fabric is blocked with a wet or sticky material.

Great Lakes Calcium will utilize a pressure monitoring device to measure the pressure drop across the bag filter product collectors. This data will be transmitted continuously to the Programmable Logic Controller at the process control station. If this data is not stored and available for future reference, then, Great Lakes Calcium Corporation is required to manually record the pressure drop in a log book, once per shift. If the data is stored and maintained on the computer system, then Great Lakes Calcium is not required to maintain the log book. The log book and/or other collected or stored data shall be made available for review upon request by the Department. Any deviations from the normal operating range of static pressure drop will be investigated to determine the cause and necessary corrective action.

Manufacturer Name/Model Number: MAGNEHELIC DIFFERENTIAL PRESSURE TRANSMITTER

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 2 inches of water

Upper Permit Limit: 15 inches of water

Monitoring Frequency: PER SHIFT



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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.672(a)(1), NSPS Subpart OOO

Item 31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 31.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR 60.672(a)(1), on and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, Great Lakes Calcium shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which contain particulate matter in excess of 0.05 g/dscm.

Thus, upon completion of the performance test for emission points 00001 and 00002 and demonstration of compliance with the 0.05 g/dscm stack emission limit, Great Lakes Calcium Corporation is required to continuously operate the facility in compliance with this emission limit.

Details regarding the performance test requirements are discussed in the permit conditions for 40CFR 60.675(b) and 40CFR 60.8.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grams per cubic meter

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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Condition 32: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.672(a)(2), NSPS Subpart OOO

Item 32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 32.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR 60.672(a)(2), on and after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, Great Lakes Calcium shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which exhibit greater than 7 percent opacity, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device.

Thus, upon completion of the visible emissions test for emission points 00001 and 00002 and demonstration of compliance with the 7 percent stack emission limit, Great Lakes Calcium Corporation is required to continuously operate the facility in compliance with this emission limit. It is the responsibility of Great Lakes Calcium to visibly check the opacity of the stack emissions on a daily basis to ensure the limit is not exceeded. When an exceedance is observed, Great Lakes Calcium shall immediately implement corrective measures and follow any applicable reporting requirements of 6NYCRR Part 201-1.4.

Details regarding the performance test requirements are discussed in the permit conditions for 40CFR 60.675(b) and 40CFR 60.8.

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Parameter Monitored: OPACITY
Upper Permit Limit: 7 percent
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Demonstration
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.672(e)(1), NSPS Subpart OOO

Item 33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC
Process: DCT

Regulated Contaminant(s):
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Item 33.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR60.672(e)(1), if any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a), (b) and (c) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limit:

"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 40 CFR 60.671".

The majority of the emission sources at the Great Lakes Calcium facility are enclosed in a building. Great Lakes Calcium has indicated the building enclosing the affected emission sources will comply with the above stated emission limit. Thus, each individual emission source

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located in the enclosed building will not be required to comply with the emission limits of 40CFR60.672(a), (b), and (c).

Thus, Great Lakes Calcium shall not discharge any visible fugitive emissions from any building openings, such as doorways, windows, or vents which do not have mechanically induced airflow through them. It is the responsibility of Great Lakes Calcium to visibly check the fugitive emissions from the building on a daily basis to ensure the limit is not exceeded. When an exceedance is observed, Great Lakes Calcium shall immediately implement corrective measures and follow any applicable reporting requirements of 6NYCRR Part 201-1.4.

A performance test, which includes a visible emissions test, is required to be completed for the building enclosure. Details pertaining to the test requirements are specified in the permit conditions for 40CFR60.675(d).

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Monitoring Frequency: DAILY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.672(e)(2), NSPS Subpart OOO

Item 34.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 34.2:

Compliance Demonstration shall include the following monitoring:

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

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Monitoring Description:

As stated in 40CFR60.672(e)(2), if any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a), (b) and (c) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limit:

"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 limits specified in 40 CFR 60.672(a)".

The majority of the emission sources at the Great Lakes Calcium facility are enclosed in a building. The building has two exhaust stacks identified as emission points 00001 and 00002. Great Lakes Calcium has indicated the building enclosing the affected emission sources will comply with the above stated emission limits. Thus, Great Lakes Calcium shall not discharge particulate emissions from the two exhaust stacks that exceed 0.05 g/dscm and 7% opacity.

The performance test requirements to demonstrate compliance with these standards are specified in the permit conditions for 40CFR60.675(b).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grams per cubic meter

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Great Lakes Calcium Corporation is required to complete a performance test for the stack emissions from emission points 00001 and 00002 to demonstrate compliance with the 7 percent opacity emission limit. Great Lakes Calcium shall determine compliance with the opacity standard in 40 CFR 60.672(a)(2) for the stack emissions using Method 9 and the procedures in 40 CFR 60.11.

Parameter Monitored: OPACITY

Upper Permit Limit: 7 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Great Lakes Calcium Corporation is required to complete a performance test for the stack emissions from emission points 00001 and 00002 to demonstrate compliance with the 0.05 g/dscm limit. Great Lakes Calcium shall determine compliance with the particulate matter standards in 40 CFR 60.672(a)(1) for the stack emissions as follows:

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Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Celsius (250 degrees Fahrenheit), to prevent water condensation on the filter.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grams per cubic meter

Reference Test Method: EPA Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: DCT

Regulated Contaminant(s):

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Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Great Lakes Calcium is required to complete a visible emission test on any openings in the building which do not have mechanically induced airflow through them, such as, doorways and windows. In determining compliance with 40CFR 60.672(e), Great Lakes Calcium shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with

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each side of the building and the roof being observed for at least 15 minutes.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: Method 22

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: OUT

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR 60.672(b), on and after the sixteenth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40CFR60.11, no owner or operator subject to the provisions of this subpart 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 greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of this section.

The emission sources at the Great Lakes Calcium facility which are subject to this requirement include those sources which are not located within the building or which are not vented into the baghouses. As such, the emission sources located outside with the raw material handling

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process, including sources 00102, 00103, and 00104, are subject to this standard. Upon completion of the visible emissions test and demonstration of compliance with the 10 percent fugitive emission limit, Great Lakes Calcium Corporation is required to continuously operate the facility in compliance with this emission limit. It is the responsibility of Great Lakes Calcium to visibly check the fugitive emissions from the outside sources on a daily basis to ensure the limit is not exceeded. When an exceedance is observed, Great Lakes Calcium shall immediately implement corrective measures and follow any applicable reporting requirements of 6NYCRR Part 201-1.4.

Details regarding the visible emissions performance test requirements are discussed in the permit conditions for 40CFR60.675(c)(1), 40CFR60.675(c)(3), and 40CFR 60.11.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Monitoring Frequency: DAILY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Demonstration

Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: OUT

Regulated Contaminant(s):

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Item 39.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR60.675(c)(3), when determining compliance with the fugitive emissions standard for any

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affected facility described under 40CFR60.672(b), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 10 percent opacity; and
- (ii) There are no more than 3 readings of 10 percent for the 1-hour period.

This condition applies to the performance testing of the outside emission sources, including 00102, 00103, and 00104.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Appendix A, Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 40: Compliance Demonstration
Effective between the dates of 02/09/2001 and Permit Expiration Date

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

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DUSTC

Process: OUT

Regulated Contaminant(s):

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Item 40.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

As stated in 40CFR60.675(c)(1), in determining compliance with the particulate matter standards in 40CFR60.672(b) for the outside emission sources, Great Lakes Calcium Corporation shall use Method 9 and the procedures in 40CFR60.11, with the following additions:

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(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
and

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

(iii) For affected facilities using wet suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Appendix A, Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 41: General Provisions

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 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: Permit Exclusion Provisions

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 42.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements



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contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 43: Emission Unit Definition

Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 43.1:

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

Emission Unit: U-DUSTC

Emission Unit Description:

Emission unit UDUSTC consists of the crushing, flash drying, sizing, conveying, storage and truck loading operations associated with the calcium carbonate processing operations. The crushing operations commence by receiving limestone from self-unloading lake vessels which stockpile the one to two inch diameter raw material on the dock. The stockpiled material is transferred to the processing building via a belt conveyor. Once inside the building, the limestone is fed into a flash drying/crushing system. The fines in the raw material and the crushed material is air swept into a gas heated dryer to reduce the moisture content to less than one percent. The dried airborne material is drawn through a cyclone to remove the majority of the product. The air exiting the cyclone is returned to the flash dryer. A portion of the air stream is withdrawn to a bag-type product collector to capture fine material and exhaust cleaned air and liberated moisture. The material collected in the cyclone is conveyed to a final sizing step to remove any plus 10 mesh material for further crushing. The minus 10 mesh material is conveyed to two product storage silos by a screw conveyor and bucket elevator. The product is transferred into bulk trucks utilizing a telescoping loading spout. A second bag-type product collector will



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be employed to capture dust generated from the conveying systems and truck loading system. The collected material will also be recovered as usable product.

The emission points associated with this emission unit are two product collector systems that remove airborne product from the process and return it to the process. The main collector will treat a portion (approximately 50 percent) of the air exiting a product cyclone separator to remove finer product (reclaimed as product) and exhaust excess moisture. The nuisance collector will capture and reclaim product from miscellaneous exhaust points generated from conveyors, bucket elevators and the truck product loading systems.

Building(s): 1

Condition 44: Contaminant List
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5.3(b)

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

Condition 45: Air pollution prohibited
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 45.1:

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 46: Emission Point Definition By Emission Unit
Effective between the dates of 02/09/2001 and Permit Expiration Date



Applicable State Requirement: 6NYCRR 201-5

Item 46.1:

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

Emission Unit: U-DUSTC

Emission Point: 00001

Height (ft.): 48

Diameter (in.): 24

Building: 1

Emission Point: 00002

Height (ft.): 35

Diameter (in.): 12

Building: 1

Condition 47: Process Definition By Emission Unit
Effective between the dates of 02/09/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 47.1:

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

Emission Unit: U-DUSTC

Process: DCT

Process Description:

Process DCT consists of the crushing, flash drying, sizing, conveying, storage and truck loading operations associated with sizing high calcium carbonate limestone into minus 10 mesh material. The sources associated with this process are located within a building enclosure where the emissions are exhausted through two baghouses. The silos and truck loading operations are located outside the building. However, the displaced gases from the truck loading operation are captured and vented through the silos and ultimately through the baghouses.

Emission Source/Control: 00113 - Combustion

Design Capacity: 9.5 million Btu per hour

Emission Source/Control: 00106 - Process

Emission Source/Control: 00107 - Process

Design Capacity: 30 tons per hour

Emission Source/Control: 00108 - Process

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Design Capacity: 30 tons per hour

Emission Source/Control: 00109 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: 00110 - Process
Design Capacity: 28,000 cubic feet per minute

Emission Source/Control: 00111 - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 00112 - Process
Design Capacity: 28,000 cubic feet per minute

Emission Source/Control: 00114 - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 00115 - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 00116 - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 00117 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: 00118 - Process
Design Capacity: 15,000 cubic feet per minute

Emission Source/Control: 00119 - Process

Emission Source/Control: 00120 - Process
Design Capacity: 15,000 cubic feet per minute

Emission Source/Control: 00121 - Process
Design Capacity: 3,000 cubic feet per minute

Emission Source/Control: 00122 - Process

Emission Source/Control: 00123 - Process
Design Capacity: 3,000 cubic feet per minute

Emission Source/Control: 00124 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: 00125 - Process



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Emission Source/Control: 00126 - Process
Design Capacity: 5,000 cubic feet

Emission Source/Control: 00127 - Process
Design Capacity: 400 tons per hour

Emission Source/Control: 00128 - Process
Design Capacity: 5,000 cubic feet

Emission Source/Control: 00129 - Process
Design Capacity: 400 tons per hour

Emission Source/Control: 00130 - Process

Item 47.2:

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

Emission Unit: U-DUSTC

Process: OUT

Process Description:

Process OUT consists of the storage, loading, and conveying of the raw material. The sources are located outside the main building and include a dump hopper (00102), vibrating feeder (00103), a belt conveyor (00104), and a belt scale (00105). The emissions from sources 00102, 00103, and 00104 are discharged to the atmosphere as fugitive emissions.

Emission Source/Control: 00102 - Process
Design Capacity: 10 tons

Emission Source/Control: 00103 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: 00104 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: 00105 - Process