

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-2999-00002/00015  
Effective Date: 01/28/2004                      Expiration Date: No expiration date

Permit Issued To: REDLAND QUARRIES NY INC  
270 NORTHPOINTE PKWY SUITE 100  
BUFFALO, NY 14228

Contact: RICHARD R COLE  
LAFARGE NORTH AMERICA  
300 EAST JOPPA RD  
TOWSON, MD 21286  
(410) 847-3203

Facility: REDLAND QUARRIES NY INC-LOCKPORT QUARRY  
400 HINMAN ROAD  
LOCKPORT, NY 14094

Contact: TOM BIAMONTE  
REDLAND QUARRIES NY INC  
400 HINMAN RD  
LOCKPORT, NY 14094  
(716) 439-1300

Description:

**Redland Lockport State Facility Permit**

Redland Quarries- Lockport Quarry, a division of Lafarge North America, and located at 400 Hinman Road in Lockport, New York; consists of a crushed stone facility and two hot mix asphalt plants. The facility has submitted a state facility application as a result of a permit modification requesting to use waste oil as the primary fuel for the batch plant HMA asphalt stone dryer. A state facility permit is required to incorporate all applicable regulations and emission caps for the facility. Lafarge will accept production limits to maintain potential emissions below the major source thresholds for carbon monoxide, nitrogen oxides, sulfur dioxide, volatile organic compounds, and particulate matter.

**Asphalt Production**

There is currently in operation a 7 ton batch plant rated at 420 ton per hour and a Gencor Drum mix plant rated at 500 ton per hour. Emissions from asphalt production are primarily from the rotary dryer and consist of particulate matter and PM-10 and combustion gases such as CO, NO<sub>x</sub>, SO<sub>2</sub>, and VOC. HAPs and VOC will be driven off from the hot asphalt.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



The batch plant identified as HMA Tower 4 (emission point 00004) began operation in 1947. Batch hot mix asphalt processing begins as hoppers meter aggregate material onto a conveyor belt that transfers the aggregate into a rotary dryer. Natural gas was used to fire the aggregate dryer and will be replaced by waste oil as the primary fuel. As the hot aggregate leaves the dryer, it drops into a bucket elevator and transfers to a set of vibrating screens that classify it into different grades and drops it into the respective size hot bins. The hot bins open over a weigh hopper for the desired mix and weight in each batch. Concurrent with the aggregate being weighed, liquid asphalt cement is pumped from a heated storage tank into an asphalt bucket where it is weighed to achieve the desired aggregate to asphalt cement ratio in the final mix. The aggregate is dropped from the weigh hopper into the pugmill and dry-mixed. Liquid asphalt then drops into the pugmill where it is mixed for an additional period of time. The asphalt product is then transferred to one of the three heated storage silos.

A Gencor Model HYFGO-200 Thermal Fluid Asphalt Heater rated at 2 mmbtu/hr and fired by natural gas with a No. 2 fuel oil back-up capability was installed in January 1997 to replace a gas-fired heater. The heater also heats the storage silos and the two 20,000 gallon liquid asphalt tanks. Emissions from the heaters are included in maintaining any emissions caps.

The plant was constructed before June 11, 1973 and therefore is not subject to the particulate emission limits set forth in the New Source Performance Standards 40 CFR Part 60.90 Subpart I for Hot Mix Asphalt Plants. However, it is subject to the particulate limits of 6NYCRR, Part 212.3(a) and is identified as a process weight source in 212.9 (e)(a) Table 5. Based on the hourly production rate of 420 ton per hour, the allowable emission rate using the formula in 212.9(d) Table 5 [ $E = (39P0.082) - 50$ ] for existing process weight sources in excess of 100,000 lb/hr is calculated to be 69 pounds per hour. Particulate emissions are controlled by a cyclone to drop out the heavier particles and a Standard Havens Magnum fabric collector which was installed as a replacement in September 1990.

This permit represents a modification to use waste oil as the primary fuel for the batch dryer. Lafarge has installed a 20,000 gallon waste oil tank and associated natural gas heater. The tank and heater are enclosed in secondary containment. The waste oil to be used is subject to the limitations of Parts 225-1 and 225-2. Lafarge has a waste oil purchase contract with NOCO. The waste oil characteristics submitted by NOCO Energy identify the oil as waste fuel A. Waste fuel A must meet the limitations of 225-2.4(b) Table 2-1 and contain between 25- 250 ppm Lead; less than 50 ppm PCB; a maximum 1,000 PPM Total Halogens; and a minimum Gross Heat Content of 125,000 BTU/gal. The sulfur content is limited by 225-1 to 1.5% by weight. In addition, Part 225-2.3(b)(3) requires that the combustion efficiency be demonstrated to be a minimum of 99 percent while burning waste fuel A. Appendix III of Air Guide 17 offers the source owner the option of demonstrating the combustion efficiency by demonstrating that the source does not exceed a CO limit of 500 ppm. Redland conducted three efficiency tests in May 2003 that demonstrated that CO ranged from 201 to 243 PPM when burning waste oil as fuel for the batch plant.

Lafarge does not intend to use waste oil in the drum plant at this time because of the associated cost. However, if they choose to implement usage at the drum plants they will be required to submit the efficiency test and meet the requirements for waste oil specified in the body of the permit.

The Gencor drum mix plant is identified as Tower 1 (emission point 00005) and was placed into operation in July 1996. Drum mix plants use the rotary dryer to dry aggregate and to mix the heated and dried aggregate with liquid asphalt cement. Tower 1 is a counterflow drum plant. The sized aggregate is



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

introduced to the dryer opposite the burner end and as the dryer rotates the material flows in the opposite direction of the combustion gases. The liquid asphalt cement is introduced in the mixing zone along with any RAP(recycled asphalt pavement) and the mixture then discharged at the end of the drum and transferred to one of the three heated storage silos or a surge bin, and eventually into trucks. RAP is only used at this plant which is located on the quarry floor near the primary crusher which would be used to re-crush the RAP. Any crushing equipment for RAP is subject to the NSPS OOO for crushers.

A Gencor HYFGO-100 asphalt oil heater capable of burning oil or gas and two 20,000 gallon storage tanks are associated with this dryer.

The plant is subject to the NSPS Subpart I for sources constructed after June 11, 1973 and the particulate and opacity limits therein. The dryer was stack tested in October of 1997 and found to be in compliance with both the particulate emission limit of 0.04 gr/dscf and the opacity requirements.

Previously, potential emissions CO, VOC, NOx and SO2 had been limited to 575,000 tons for the drum and three batch plants. However, since two of the three batch plants 2 and 3 have been eliminated and emissions are the highest from the batch plants, calculations using the most recent 12/2000 AP-42 emission factors have been revisited. Carbon monoxide was determined to be the major source trigger and at the proposed production limit of 360,000 tons per plant, emissions from these two plants will be limited to 95 tons of CO. In addition, potential emissions of all contaminants will be limited to less than their respective major source thresholds by establishing a production limit of 360,000 tons per year of asphalt produced from each plant. By accepting this limit, the facility will not be subject to the regulatory requirements of 6NYCRR, Part 201-6 for Title V; 212.10-Reasonably Available Control Requirements for VOC and NOx; and Part 231-2 -New Source Review. This change in the emission cap will require this permit to be noticed to establish the new limit as federally enforceable.

**Crushed Stone Plant**

The aggregate production facility consists of crushing, screening, and conveying and stockpiling of limestone operations. Water sprays are located at various transfer points. There are several crushers-a primary AC 4265 Gyratory crusher, and secondary and tertiary crushers- Hazemag 1320K, a Svedala H8000, Gyradisk, and Bramac 9600 Rotopactor. The NSPS 40 CFR 60.670 Subpart OOO for Non-Metallic Mineral Processing Plants applies to any new or modified facilities affected after August 31, 1983. Lafarge has conducted the visible emissions requirements of that regulation-15% for crushers and 10% for conveying operations for new and modified sources:

Air Separator to Screw	8/7/2001	
Air Separator to Belt	8/6/2001	
C5B Conveyor modification 48" to 60"		6/26/1996
B1A Surge Bin Addition		6/26/1996
Hazemag Crusher Addition	6/21/1995	
Peerless Conveyor		6/21/1995

The addition of the surge bin and conveyor width increase resulted in a re-evaluation of facility-wide PM-10 and particulate emissions to determine applicability for Title V and PSD. A production limit



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

of 3,000,000 tons of aggregate was established in 1996 to avoid the major source requirements of these regulations and is carried over into this permit.

The crushing plant also consists of a crusher run plant which is used to supply road base and an can be run independent of the main crushing plant. There is also a system consisting of a baghouse and an air classifier system to separate agricultural lime from the fines which are added to the hot mix asphalt and a wash plant for removing unwanted material. The NSPS OOO 60.672(h)(1) prohibits any visible emissions from the wash plant conveyors and screens which have been constructed or modified after August 31, 1983. This would apply to the telescoping 140' x 36" conveyor added in September 1998.

Lafarge will control fugitive emissions from the facility by implementing a dust control program to minimize fugitive emissions from roadways and stockpiles. During periods of extended dry and/or windy weather roads and stockpiles are kept wet or chemical dust suppressants used. Exits and entrances at the plant and onto public roadways are to be kept clean of dust transported from vehicles leaving the facility.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator:           KENNETH C TAFT  
  DIVISION OF ENVIRONMENTAL PERMITS  
  182 EAST UNION - SUITE 3  
  ALLEGANY, NY 14706-1328

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

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

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



transfer of ownership.

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

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: REDLAND QUARRIES NY INC  
270 NORTHPOINTE PKWY SUITE 100  
BUFFALO, NY 14228

ES NY INC-LOCKPORT QUARRY

400 HINMAN ROAD  
LOCKPORT, NY 14094

Authorized Activity By Standard Industrial Classification Code:  
1422 - CRUSHED AND BROKEN LIMESTONE



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 211.3: Compliance Demonstration
- 2 6NYCRR 225-2.6(d): Purchase of waste fuel prohibitions.

**Emission Unit Level**

**EU=0-BLKTP**

- 3 6NYCRR 201-7.1: Compliance Demonstration
- 5 6NYCRR 212.5(f): Capped sources of VOC and NOx not subject to

12.9(b) for non A-rated contaminants

- 4 6NYCRR 212.6(a): Compliance Demonstration
- 6 6NYCRR 225-1.2(d): Compliance Demonstration
- 7 6NYCRR 225-2.3(b): Compliance Demonstration
- 8 6NYCRR 225-2.3(b)(3): Compliance Demonstration
- 9 6NYCRR 225-2.4(b): Compliance Demonstration
- 10 6NYCRR 225-2.4(b): Compliance Demonstration
- 11 6NYCRR 225-2.4(b): Compliance Demonstration
- 12 6NYCRR 225-2.4(b): Compliance Demonstration

**EU=0-BLKTP,Proc=B01**

- 13 6NYCRR 212.3(a): Compliance Demonstration
- 14 6NYCRR 212.9(d): Compliance Demonstration

**EU=0-BLKTP,Proc=D01**

- 15 40CFR 60.92, NSPS Subpart I: Compliance Demonstration
- 16 40CFR 60.92, NSPS Subpart I: Compliance Demonstration

**EU=0-CRUSH**

- 17 6NYCRR 201-7.1: Compliance Demonstration
- 18 40CFR 60.676(a), NSPS Subpart OOO: Reporting and Recordkeeping for Replacement of Equipment

**EU=0-CRUSH,Proc=C01**

- 19 40CFR 60.672(c), NSPS Subpart OOO: Compliance Demonstration

**EU=0-CRUSH,Proc=C02**

- 20 40CFR 60.672(b), NSPS Subpart OOO: Compliance Demonstration

**EU=0-CRUSH,Proc=C04**

- 21 40CFR 60.672(h), NSPS Subpart OOO: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**



**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**

- 22 ECL 19-0301: Contaminant List
- 23 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 24 6NYCRR 201-5: Emission Unit Definition
- 25 6NYCRR 211.2: Air pollution prohibited
- 26 6NYCRR 211.2: Compliance Demonstration

**Emission Unit Level**

- 27 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 28 6NYCRR 201-5: Process Definition By Emission Unit
- 2951 - PAVING MIXTURES AND BLOCKS

Permit Effective Date: 01/28/2004

Permit Expiration Date: No expiration date.



**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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



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 - 6NYCRR Part 201-1.2**

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.

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event

other requirements in the permit; and

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

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 Part 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 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 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

of not more than 57 percent opacity.

**Item L: Open Fires - 6 NYCRR Part 215**

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.

**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

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



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: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 1.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR 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 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.



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

Reference Test Method: Reference Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Purchase of waste fuel prohibitions.**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.6(d)**

**Item 2.1:** No owner or operator of a facility proposing to burn waste fuel or transporter of waste fuel may purchase, accept delivery, pick up or accept in trade any waste fuel unless the facility is receiving or proposing to burn waste fuel that meets the applicable requirements of this Subpart and the regulations promulgated pursuant to article 27, titles 7 and 9 and article 23, title 23 of the ECL and the transporter of the waste fuel is permitted under 6 NYCRR Part 364.

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

**Condition 3: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 3.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE  
CAS No: 0NY210-00-0 OXIDES OF NITROGEN  
CAS No: 0NY998-00-0 VOC  
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 3.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

Production of hot mix asphalt shall be limited to 360,000 tons from EACH HMA plant in order to limit facility-wide actual emissions of carbon monoxide to less than the major source threshold of 100 tons during any consecutive 12-month rolling period. By accepting these limits, the facility will not be subject to the major source

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



permitting requirements for Title V.

In addition, emissions shall be calculated from the usage of natural gas in the hot oil heaters for asphalt storage using the latest AP-42 emission factors and included in the monthly rolling totals.

Monthly records will be maintained for the batch plant, Tower 4 and the drum plant, Tower 1, which demonstrate that the production of blacktop has not exceeded 360,000 tons for each plant during any consecutive 12 month period. Also, by limiting production to these levels, potential emissions of sulfur dioxide, nitrogen oxides, volatile organic compounds, and hazardous air pollutants will also remain below major source thresholds and thereby not be subject to the permitting requirements of Title V.

By limiting production, volatile organic compounds and nitrogen oxides will also remain below the major source thresholds of 50 and 100 tons per year respectively for 6NYCRR, Part 212.10 and thereby not be subject to the Reasonably Available Control Technology Requirements (RACT) of that subpart.

Monitoring Frequency: MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 5: Capped sources of VOC and NOx not subject to 212.9(b) for non A-rated contaminants  
Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 212.5(f)**

**Item 5.1:**

This Condition applies to Emission Unit: 0-BLKTP

**Item 5.2:**

Owners and/or operators of facilities which have limited the facility's annual potential to emit nitrogen oxides or volatile organic compounds below applicability levels through federally and state enforceable special conditions in permits to construct and/or certificates to operate under the provisions of section 212.10(d) of this Part must maintain annual actual emissions below these limitations. Nitrogen oxide and volatile organic compound emission points at these facilities are not subject to the control requirements in section 212.9(b) of this Part if the emissions are not given an A rating.

**Condition 4: Compliance Demonstration  
Effective between the dates of 01/28/2004 and Permit Expiration Date**

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 4.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emissions of uncombined water. Lafarge will perform routine maintenance on the baghouse control equipment consistent with good engineering practice prior to the the start of each production season.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

**Item 6.2:**

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Sulfur content of the waste oil burned at the facility shall not exceed 1.5% by weight as per 6NYCRR, Part 225-1.2(d), Table 2. Records of waste fuel sulfur content as provided by the supplier shall be kept on-site for a minimum of 5 years and provided to Department representatives on request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: WASTE OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.3(b)**

**Item 7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Each piece of equipment which fires Waste Fuel A shall demonstrate, at a minimum, 99% combustion efficiency.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: WASTE OIL

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99.0 percent

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**New York State Department of Environmental Conservation**

Permit ID: 9-2999-00002/00015

Facility DEC ID: 9299900002

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.3(b)(3)**

**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Lafarge has conducted a combustion efficiency test as required by 6NYCRR, Part 225-2 which has demonstrated the required efficiency of 99% when burning Waste Fuel A at the batch plant. As per Air Guide 17 the combustion test demonstrated carbon monoxide to be less than 500 ppm which is an acceptable demonstration of 99% combustion efficiency.

If Lafarge should consider the use of waste oil at the drum plant, the same combustion efficiency test will be required. The results of the test must be submitted to this Department prior to the use of waste oil at the drum plant.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99 percent

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED

EE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 9.1:**

The Compliance Demonstration activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**

Emission Unit: 0-BLKTP

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel contaminant limitation for lead when burning waste oil.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 250 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 10: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Regulated Contaminant(s):

CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Concentration of PCBs not to exceed 49.99ppm by weight excluding water.

Work Practice Type: PARAMETER OF PROCESS MATERIAL



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

Process Material: WASTE OIL  
Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 49.99 parts per million 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

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Fuel contaminant limitations of total halogens in waste  
fuels A and B.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000.00 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 12: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel heat content minimum requirement for waste fuels A & B.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 125000 British thermal units per gallon

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 13: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Process: B01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The batch plant HMA Tower 4 having been constructed prior to July 1, 1973 is subject to the particulate emissions limitations of 6NYCRR, Part 212.3(a). Allowable particulate emissions are based on process weight for processes defined in Table 5 which includes stone dryers at asphalt concrete plants. The allowable emissions based on a production rate of 420 ton per hour is 69 pounds per hour of particulate matter.

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



Emissions from the stone dryer are controlled by a cyclone prior to a Standard Havens Magnum baghouse. Lafarge shall maintain the cyclone and baghouse according to good engineering practice. The cyclone and baghouse shall be inspected prior to each production season and any required repairs made prior to start-up. A record of the inspection shall be maintained on-site and made available to Department representatives on request. Records shall

maintained for a period of five years.

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 14: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 212.9(d)**

**Item 14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Process: B01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following equation shall be used to determine the permissible solid particulate emission rate (based on process weight):

for existing sources greater than 100,000 lb/hr -  $E = [39P^{(0.082)}] - 50$ ;

where:

E - is the permissible emission rate, and

P - is the process weight in lb/hr.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.92, NSPS Subpart I**

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP  
Process: D01

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

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

The particulate emission limit for Hot Mix Asphalt facilities constructed after June 11, 1973 is 0.04 gr/dscf. The drum plant identified as HMA Tower 1 was placed into operation in July 1996 and as such shall not discharge into the atmosphere particulate matter in excess of 0.04 gr/dscf. Source sampling conducted on October 7 & 8, 1997 indicated an average grain loading for four Method 5 test runs to be 0.0078 gr/dscf and therefore in compliance with the standard.

Redland shall maintain the fabric collector control device in a manner consistent with good engineering practice for minimizing emissions. The baghouse shall be inspected prior to each production season and any required repairs made prior to start-up. A record of the inspection shall be maintained on-site for a period of five years and made available to Department representatives on request.

Upper Permit Limit: 0.04 grains per dscf  
Reference Test Method: Method 5

: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**New York State Department of Environmental Conservation**

Permit ID: 9-2999-00002/00015

Facility DEC ID: 9299900002



**Applicable Federal Requirement: 40CFR 60.92, NSPS Subpart I**

**Item 16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-BLKTP

Process: D01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A hot mix asphalt facility subject to this Subpart shall not discharge gases into the atmosphere which exhibit an opacity of 20 percent or greater. Compliance shall be demonstrated in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. The opacity standard shall apply at all times except during start-up, shutdown, or malfunction. This Department reserves the right to request or perform a Method 9 evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 17: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.1**

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CRUSH

Regulated Contaminant(s):

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

CAS No: 0NY075-00-0 PARTICULATES

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Aggregate production is limited to 3,000,000 tons for each rolling twelve month period in order to limit the potential emissions of PM and PM-10 to less than the major source threshold of 100 tons. By accepting this limit, the facility will not be subject to the major source permitting requirements for Title V-6NYCRR, Part 201-6 and Prevention of significant Deterioration (PSD)-40 CFR Part 52.21.

Lafarge will prepare and maintain a log which will summarize and document monthly facility aggregate production for each rolling twelve month period. These records are to be maintained on-site for a period of five years in a format easily verifiable and accessible to Department representatives.

Any exceedance of the production limit shall be reported to this department no later than 10 business days following the end of the month in which the exceedance was determined.

Monitoring Frequency: MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 18: Reporting and Recordkeeping for Replacement of Equipment**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 18.1:**

This Condition applies to Emission Unit: 0-CRUSH

**Item 18.2:**

Each owner or operator seeking to comply with 40 CFR Part 60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

**Condition 19: Compliance Demonstration**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 19.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CRUSH

Process: C01

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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



**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**

fugitive emissions which exhibit greater than 15 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 15 percent

Reference Test Method: Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 20: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CRUSH

Process: C02

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

PARAMETERS AS SURROGATE

Monitoring Description:

On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR Part 60.11, no owner or operator 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 40 CFR Part 60.672(c), (d), and (e) of this section.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



**Condition 21: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CRUSH

Process: C04

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, no owner or operator shall cause to be discharged into the atmosphere any visible emissions from:

(1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

st Method: EPA Method 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



**E 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 - 6NYCRR Part 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 22: Contaminant List**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

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

**Item 22.1:**

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

CAS No: 000630-08-0  
Name: CARBON MONOXIDE

CAS No: 007439-92-1  
Name: LEAD

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

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

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

CAS No: 001336-36-3  
Name: POLYCHLORINATED BIPHENYL

CAS No: 007704-34-9  
Name: SULFUR

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

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

**able noncompliance and violations**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



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

**Item 23.1:**

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 24: Emission Unit Definition**



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 24.1:**

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

Emission Unit: 0-BLKTP

Emission Unit Description:

This emission unit describes a 500 ton/hour Gencor drum mix plant and a 7 ton batch hot mix blacktop plant. Each plant consists of a rotary aggregate dryer, two 20,000 gallon asphalt storage tanks with associated heater, and three storage silos for final product. The batch plant is utilizing waste fuel oil as an alternate fuel.

Building(s): TOWER 1  
TOWER 4

**Item 24.2:**

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

Emission Unit: 0-CRUSH

Emission Unit Description:

Crushing of limestone in an Allis Chambers 4265 Primary Crusher, a Symons 7 foot secondary crusher, a 48" Gyradisc and 1320 Hazmag tertiary crusher with associated screening, conveying, and stockpiling of limestone. A water suppression system minimizes fugitive emissions from crushing and transfer points.

**Condition 25: Air pollution prohibited**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 25.1:**

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

**Condition 26: Compliance Demonstration**

**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



**Item 26.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Lafarge will control fugitive emissions from the facility by implementing a dust control program to minimize fugitive emissions from roadways and stockpiles. During periods of extended dry and/or windy weather Lafarge will ensure that roads and stockpiles are kept wet or the use of chemical dust suppressants is implemented. At all times, Lafarge will ensure that exits and entrances to and from the plant and onto public roadways are kept clean of dust transported from vehicles leaving the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 27: Emission Point Definition By Emission Unit  
Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 27.1:**

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

Emission Unit: 0-BLKTP

Emission Point: 00004

Height (ft.): 35

Diameter (in.): 36

Building: TOWER 4

Emission Point: 00005

Height (ft.): 53

Diameter (in.): 61

NYTMN (km.): 4784.6

NYTME (km.): 197.6

Building: TOWER 1

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**



**Condition 28: Process Definition By Emission Unit**  
**Effective between the dates of 01/28/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 28.1:**

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

Emission Unit: 0-BLKTP

Process: B01

Source Classification Code: 3-05-002-51

Process Description:

This is a 7 ton hot mix asphalt H & B batch plant equipped with a cyclone and baghouse collector. The plant utilizes natural gas as a primary fuel for the rotary dryer with the capability of burning #2 fuel oil as a back-up. There are two 20,000 asphalt storage tanks and an associated heater which is capable of burning natural gas or fuel oil. There are three asphalt storage silos also heated by this heater.

This permit is an application for a permit to burn waste fuel A as the primary fuel in the rotary dryer only. Lafarge has conducted a combustion efficiency test as required by 6NYCRR, Part 225-2 which has demonstrated the required efficiency of 99% when burning Waste Fuel A. As per Air Guide 17 the combustion test demonstrated carbon monoxide to be less than 500 ppm which is an acceptable demonstration of 99% efficiency.

Emission Source/Control: W0002 - Combustion

Emission Source/Control: 0004A - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0004B - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: 0004C - Process

Emission Source/Control: 0004D - Process

Emission Source/Control: W0001 - Process

**Item 28.2:**

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

Emission Unit: 0-BLKTP



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9299900002**

ProcSource Classification Code: 3-05-002-06

Process Description:

Natural gas/#2 fuel oil fired hot oil heater for two  
20,000 gallon asphalt storage tank.

Emission Source/Control: 0004D - Process

**Item 28.3:**

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

Emission Unit: 0-BLKTP

Process: B03

Source Classification Code: 3-05-002-10

Process Description:

Process represents utilization of waste oil as alternate  
fuel source for the aggregate dryer along with associated  
20,000 gallon waste fuel storage tank and heater.

Emission Source/Control: W0002 - Combustion

Emission Source/Control: W0001 - Process

**Item 28.4:**

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

Emission Unit: 0-BLKTP

ProcSource Classification Code: 3-05-002-05

Process Description:

This is a 500 ton per hour counterflow drum mix asphalt  
plant equipped with a Gencor baghouse. Aggregate is dried  
in a direct fired rotary drum dryer. Liquid asphalt is  
then mixed with the aggregate in the mixing zone and the  
bituminous concrete is sent to one of the three storage  
silos. The dryer currently utilizes natural gas as the  
primary fuel and #2 fuel oil as backup.

If Lafarge should consider the use of waste oil at the  
drum plant, a combustion efficiency test would be required  
prior as per 6NYCRR, Part 225-2 and the results submitted  
to this Department.

Emission Source/Control: 0005A - Control

Control Type: FABRIC FILTER

Emission Source/Control: 0005B - Process

Emission Source/Control: 0005C - Process

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



**Item 28.5:**

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

Emission Unit: 0-BLKTP

Process: D02

Source Classification Code: 3-05-002-06

Process Description:

A HYFG0-100 Hot oil heater used to keep the two 20,000 gallon liquid asphalt storage tanks warm for the processing of the asphalt.

Emission Source/Control: 0005C - Process

**Item 28.6:**

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

Emission Unit: 0-CRUSH

Process: C01

Source Classification Code: 3-05-020-01

Process Description:

Crushing of limestone in primary, secondary and tertiary crushers.

Emission Source/Control: CR001 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: CR002 - Process

Emission Source/Control: CR003 - Process

Emission Source/Control: CR004 - Process

Emission Source/Control: CR005 - Process

Emission Source/Control: CR006 - Process

Emission Source/Control: CR007 - Process

**Item 28.7:**

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

Emission Unit: 0-CRUSH

ProcSource Classification Code: 3-05-040-21

Process Description:

Aggregate is transferred to or from belt conveyors in the aggregate crushing plant and the crusher run plant. Screening operations are used to separate and size materials including 8x20 foot triple deck screens SS-1, VS-2L, VS-2R, VS-3L, VS-3R, and double deck VS-1.

**New York State Department of Environmental Conservation**

**Permit ID: 9-2999-00002/00015**

**Facility DEC ID: 9299900002**



Emission Source/Control: CR001 - Control  
Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: CR-5B - Process

Emission Source/Control: SCR-1 - Process

Emission Source/Control: VS-01 - Process

Emission Source/Control: VS-2L - Process

Emission Source/Control: VS-2R - Process

Emission Source/Control: VS-3L - Process

Emission Source/Control: VS-3R - Process

**Item 28.8:**

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

Emission Unit: 0-CRUSH  
ProcSource Classification Code: 3-05-016-50  
Process Description:

This process represents the agricultural lime classification system. Fines generated from crushing and screening operations are either used in the HMA mix or classified as use for agricultural lime. The classifier will discharge at two points: aggregate into two existing loading bins and Ag-lime from the baghouse into a wet screw conveyor to a belt conveyor and then to a stockpile.

Emission Source/Control: AG001 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: AG002 - Process

Emission Source/Control: AG003 - Process

Emission Source/Control: CR019 - Process

**Item 28.9:**

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

Emission Unit: 0-CRUSH  
Process: C04  
Source Classification Code: 3-05-040-34

**New York State Department of Environmental Conservation**  
**Permit ID: 9-2999-00002/00015      Facility DEC ID: 9299900002**



Process Description:

Aggregate wash plant. Wet screening operation to remove unwanted fines. Includes 8x20 foot triple deck screens identified as VS-4 and VS-5 and conveyor belts C-31, C-31A, C-32, C-33, C-34, and C-35.

Emission Source/Control: VS-04 - Process

Emission Source/Control: VS-05 - Process