

New York State Department of Environmental Conservation
Facility DEC ID: 4012400050



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-0124-00050/00018
Effective Date: 10/10/2001 Expiration Date: No expiration date

Permit Issued To: CALLANAN INDUSTRIES INC
PO BOX 15097
ALBANY, NY 12212-5097

Contact: PETER E ZEH
CALLANAN INDUSTRIES
PO BOX 15097
ALBANY, NY 12212-5097
(518) 374-2222

Facility: CALLANAN IND-STONE PROCESSING FAC
RT 9W WEST BLUE CIRCLE CEMENT PLT
COEYMANS, NY 12045

Description:

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: WILLIAM J CLARKE
DIVISION OF ENVIRONMENTAL PERMITS
1150 NORTH WESTCOTT RD
SCHENECTADY, NY 12306-2014

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 4
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(a)

Item 3.1:

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

Item 3.2:

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

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

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Item 4.1:

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

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 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 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CALLANAN INDUSTRIES INC

PO BOX 15097

ALBANY, NY 12212-5097

Facility:

CALLANAN IND-STONE PROCESSING FAC

RT 9W WEST BLUE CIRCLE CEMENT PLT

COEYMANS, NY 12045

Authorized Activity By Standard Industrial Classification Code:

1422 - CRUSHED AND BROKEN



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 20 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3 6NYCRR 200.7: Maintenance of equipment
- 7 6NYCRR 201-1.7: Recycling and Salvage
- 8 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 10 6NYCRR 201-3.2(a): Proof of Eligibility
- 11 6NYCRR 201-3.3(a): Proof of Eligibility
- 18 6NYCRR 202-1.1: Required emissions tests
- 19 6NYCRR 211.3: Visible emissions limited.
- 1 6NYCRR 200.5: Sealing
- 2 6NYCRR 200.6: Acceptable ambient air quality
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 6 6NYCRR 201-1.5: Emergency Defense
- 9 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 12 6NYCRR 201-6: Facility Permissible Emissions
- *13 6NYCRR 201-6: Compliance Demonstration
- *14 6NYCRR 201-6: Compliance Demonstration
- *15 6NYCRR 201-6: Compliance Demonstration
- *16 6NYCRR 201-6: Compliance Demonstration
- 17 6NYCRR 201-7.2: Synthetic minor facility capping provisions.
- 21 6NYCRR 225-2.7(d): Availability of records for Department inspection.
- 22 40CFR 50: Facility Permissible Emissions

Emission Unit Level

EU=U-AG001

- 23 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications
- 24 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 25 40CFR 60.7(a), NSPS Subpart A: Modification Notification
- 26 40CFR 60.672(b), NSPS Subpart OOO: Compliance Demonstration
- 27 40CFR 60.672(h), NSPS Subpart OOO: Compliance Demonstration
- 28 40CFR 60.676(a), NSPS Subpart OOO: Reporting and Recordkeeping for Replacement of Equipment

EU=U-AG001,Proc=SC1

- 29 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Demonstration

EU=U-AG001,Proc=SC2

- 30 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Demonstration

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EU=U-AG001,Proc=SC3

31 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Demonstration

EU=U-AG001,Proc=SC4

32 40CFR 60.672(e)(1), NSPS Subpart OOO: Compliance Demonstration

EU=U-AG001,EP=20001

33 6NYCRR 212.4(c): Compliance Demonstration

34 40CFR 60.672(a), NSPS Subpart OOO: Compliance Demonstration

35 40CFR 60.672(a), NSPS Subpart OOO: Compliance Demonstration

EU=U-AG001,EP=20002

36 6NYCRR 212.4(c): Compliance Demonstration

37 40CFR 60.672(a), NSPS Subpart OOO: Compliance Demonstration

38 40CFR 60.672(a), NSPS Subpart OOO: Compliance Demonstration

EU=U-DRUM1

39 6NYCRR 212.4(a): Emissions from new emission sources and/or
modifications

40 6NYCRR 212.6(a): Compliance Demonstration

41 6NYCRR 212.6(a): Compliance Demonstration

48 6NYCRR 212.6(a): Compliance Demonstration

42 6NYCRR 225-2.3(b)(3): Compliance Demonstration

*43 40CFR 50: Compliance Demonstration

44 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40
CFR 60 Subpart A

45 40CFR 60.7(a), NSPS Subpart A: Modification Notification

46 40CFR 60.90, NSPS Subpart I: Compliance Demonstration

47 40CFR 60.90, NSPS Subpart I: Compliance Demonstration

EU=U-DRUM1,EP=00022,Proc=DRA

49 6NYCRR 225-2.4(a)(2): Compliance Demonstration

50 6NYCRR 225-2.4(a)(2): Compliance Demonstration

51 6NYCRR 225-2.4(a)(2): Compliance Demonstration

52 6NYCRR 225-2.4(a)(2): Compliance Demonstration

*53 40CFR 50: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

54 6NYCRR 201-5: General Provisions

55 6NYCRR 201-5: Permit Exclusion Provisions

56 6NYCRR 201-5: Emission Unit Definition

57 6NYCRR 201-5.3(b): Contaminant List

58 6NYCRR 211.2: Compliance Demonstration



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Emission Unit Level

59 6NYCRR 201-5: Emission Point Definition By Emission Unit

60 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.LIMESTONE

2951 - PAVING MIXTURES AND BLOCKS

Permit Effective Date: 10/10/2001

Permit Expiration Date: No expiration date.



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 20: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Item 20.1:

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 3: Maintenance of equipment
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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 7: Recycling and Salvage
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 7.1:

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

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 8.1:

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 10: Proof of Eligibility
Effective between the dates of 10/10/2001 and Permit Expiration Date



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

Item 10.1:

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 11: Proof of Eligibility

Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 11.1:

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 18: Required emissions tests

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 18.1:

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 19: Visible emissions limited.

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 19.1:

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: Sealing
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

(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 contamination source in accordance with this section

Condition 2: Acceptable ambient air quality
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

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 4: Unpermitted Emission Sources
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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.



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(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 5: Unavoidable Noncompliance and Violations
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 5.1:

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 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.



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Condition 6: Emergency Defense
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 6.1:

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

(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 9: Public Access to Recordkeeping
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 9.1:

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.

Condition 12: Facility Permissible Emissions

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Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 12.1:

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

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

CAS No: 000050-00-0 Name: FORMALDEHYDE	PTE: 19,000 pounds per year
CAS No: 000071-43-2 Name: BENZENE	PTE: 19,000 pounds per year
CAS No: 000075-07-0 Name: ACETALDEHYDE	PTE: 19,000 pounds per year
CAS No: 000091-20-3 Name: NAPHTHALENE	PTE: 19,000 pounds per year
CAS No: 000100-41-4 Name: ETHYLBENZENE	PTE: 19,000 pounds per year
CAS No: 000106-51-4 Name: QUINONE	PTE: 19,000 pounds per year
CAS No: 000108-88-3 Name: TOLUENE	PTE: 19,000 pounds per year
CAS No: 000630-08-0 Name: CARBON MONOXIDE	PTE: 190,000 pounds per year
CAS No: 001330-20-7 Name: XYLENE, M, O & P MIXT.	PTE: 19,000 pounds per year
CAS No: 001336-36-3 Name: POLYCHLORINATED BIPHENYL	PTE: 19,000 pounds per year
CAS No: 007439-92-1 Name: LEAD	PTE: 19,000 pounds per year
CAS No: 007439-96-5 Name: MANGANESE	PTE: 19,000 pounds per year
CAS No: 007439-97-6	PTE: 19,000 pounds per year



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Name: MERCURY

CAS No: 007440-02-0 PTE: 19,000 pounds per year
Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-38-2 PTE: 19,000 pounds per year
Name: ARSENIC

CAS No: 007440-41-7 PTE: 19,000 pounds per year
Name: BERYLLIUM

CAS No: 007440-43-9 PTE: 19,000 pounds per year
Name: CADMIUM

CAS No: 007440-47-3 PTE: 19,000 pounds per year
Name: CHROMIUM

CAS No: 007446-09-5 PTE: 190,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 007782-49-2 PTE: 19,000 pounds per year
Name: SELENIUM

CAS No: 007782-50-5 PTE: 19,000 pounds per year
Name: CHLORINE

CAS No: 0NY075-00-5 PTE: 180,000 pounds per year
Name: PM-10

CAS No: 0NY100-00-0 PTE: 47,500 pounds per year
Name: HAP

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 PTE: 95,000 pounds per year
Name: VOC

Condition 13: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):



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CAS No: 0NY100-00-0 HAP

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

TOTAL HAP EMISSIONS COMBINED FROM BOTH EMISSION UNITS WILL BE LIMITED TO 23.75 TONS/YR. EMISSIONS WILL BE TRACKED ON A 12 MONTH ROLLING TOTAL BASIS, USING PRODUCTION DATA AND MOST CURRENT AP-42 EMISSION FACTORS (FACTORS AT THE TIME OF PERMIT ISSUANCE DATED 12/2000) TO CALCULATE NONEXEMPT EMISSIONS. ASPHALT TONNAGE SHALL BE INCLUDED IN THE ANNUAL REPORT.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2002.

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

Condition 14: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

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

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

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSIONS COMBINED FROM BOTH EMISSION UNITS WILL BE LIMITED TO 95 TONS/YR.



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EMISSIONS WILL BE TRACKED ON A 12 MONTH ROLLING TOTAL BASIS, USING PRODUCTION DATA AND CURRENT AP-42 EMISSION FACTORS (FACTORS AT THE TIME OF PERMIT ISSUANCE DATED 12/2000) TO CALCULATE NONEXEMPT EMISSIONS. ASPHALT TONNAGE SHALL BE INCLUDED IN THE ANNUAL REPORT.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2002.
Subsequent reports are due every 12 calendar month(s).

Condition 15: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 15.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
VOC EMISSIONS COMBINED FROM BOTH EMISSION UNITS WILL BE LIMITED TO 47.5 TONS/YR. EMISSIONS WILL BE TRACKED ON A 12 MONTH ROLLING TOTAL BASIS, USING PRODUCTION DATA AND CURRENT AP-42 EMISSION FACTORS (FACTORS AT THE TIME OF PERMIT ISSUANCE DATED 12/2000) TO CALCULATE NONEXEMPT EMISSIONS. ASPHALT TONNAGE SHALL BE INCLUDED IN THE ANNUAL REPORT.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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The initial report is due 1/30/2002.

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

Condition 16: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 16.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2	BENZENE
CAS No: 000075-07-0	ACETALDEHYDE
CAS No: 000091-20-3	NAPHTHALENE
CAS No: 000100-41-4	ETHYLBENZENE
CAS No: 000106-51-4	QUINONE
CAS No: 000108-88-3	TOLUENE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001336-36-3	POLYCHLORINATED BIPHENYL
CAS No: 007439-92-1	LEAD
CAS No: 007439-96-5	MANGANESE
CAS No: 007439-97-6	MERCURY
CAS No: 007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS
CAS No: 007440-38-2	ARSENIC
CAS No: 007440-41-7	BERYLLIUM
CAS No: 007440-43-9	CADMIUM
CAS No: 007440-47-3	CHROMIUM
CAS No: 007782-49-2	SELENIUM
CAS No: 007782-50-5	CHLORINE
CAS No: 000050-00-0	FORMALDEHYDE

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

INDIVIDUAL HAP EMISSIONS COMBINED FROM BOTH EMISSION UNITS WILL BE LIMITED TO 9.5 TONS/YR. EMISSIONS WILL BE TRACKED ON A 12 MONTH ROLLING TOTAL BASIS, USING PRODUCTION DATA AND MOST CURRENT AP-42 EMISSION FACTORS (FACTORS AT THE TIME OF PERMIT ISSUANCE DATED 12/2000) TO CALCULATE NONEXEMPT EMISSIONS. ASPHALT TONNAGE SHALL BE INCLUDED IN THE ANNUAL

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REPORT.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2002.
Subsequent reports are due every 12 calendar month(s).

Condition 17: Synthetic minor facility capping provisions.
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 17.1:

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

Item 17.2:

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

Item 17.3:

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

Item 17.4:

The emission of pollutants in exceedance of the applicability thresholds for obtaining a Title V facility permit or other applicable requirements constitutes a violation of Part 201 and of the Act.

Condition 21: Availability of records for Department inspection.
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-2.7(d)

Item 21.1:

Any person required to maintain and retain records pursuant to this section must make such records available for inspection by the commissioner or his representative during normal business hours. Such person(s) must furnish copies of such records to the commissioner or his representative upon request.

Condition 22: Facility Permissible Emissions
Effective between the dates of 10/10/2001 and Permit Expiration Date

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Applicable Federal Requirement: 40CFR 50

Item 22.1:

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

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

CAS No: 007439-92-1 PTE: 19,000 pounds per year
Name: LEAD

CAS No: 007446-09-5 PTE: 190,000 pounds per year
Name: SULFUR DIOXIDE

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

**Condition 23: Emissions from new emission sources and/or modifications
Effective between the dates of 10/10/2001 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 23.1:

This Condition applies to Emission Unit: U-AG001

Item 23.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 24: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 10/10/2001 and Permit Expiration Date**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 24.1:

This Condition applies to Emission Unit: U-AG001

Item 24.2:

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 25: Modification Notification
Effective between the dates of 10/10/2001 and Permit Expiration Date**

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

Item 25.1:

This Condition applies to Emission Unit: U-AG001

Item 25.2:

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- 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 40 CFR Part 60. 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, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 26: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Item 26.2:

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 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.



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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

Condition 27: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Item 27.2:

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
Reference Test Method: EPA Method 22
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 22)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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**Condition 28: Reporting and Recordkeeping for Replacement of Equipment
Effective between the dates of 10/10/2001 and Permit Expiration Date**

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

Item 28.1:

This Condition applies to Emission Unit: U-AG001

Item 28.2:

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 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 29: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date**

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

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Item 29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Process: SC1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 29.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator shall cause to be discharged into
the atmosphere from any building enclosing a source any
visible emissions.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: USEPA Method 22

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 30: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Process: SC2

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 30.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator shall cause to be discharged into

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the atmosphere from any building enclosing a source any visible emissions.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: USEPA Method 22

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Process: SC3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator shall cause to be discharged into the atmosphere from any building enclosing a source any visible emissions.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: USEPA Method 22

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 32: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 32.1:



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The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001

Process: SC4

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 32.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator shall cause to be discharged into
the atmosphere from any building enclosing a source any
visible emissions.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: USEPA Method 22

Monitoring Frequency: DAILY

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 33: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001 Emission Point: 20001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than
0.050 grains of particulates per cubic foot of exhaust
gas, expressed at standard conditions on a dry gas basis.
Compliance testing will be conducted at the discretion of

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the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 34: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 34.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001 Emission Point: 20001

Item 34.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Opacity standard for stacks. Opacity shall be monitored
during Department (NYS DEC) inspections by Method 9
certified Department staff.

Parameter Monitored: OPACITY

Upper Permit Limit: 7 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 35.1:

The Compliance Demonstration activity will be performed for:



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Emission Unit: U-AG001 Emission Point: 20001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter standard for any transfer point on belt conveyors or from any other affected facility at a nonmetallic minerals processing plant.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 cubic feet per minute (standard conditions)

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 36: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001 Emission Point: 20002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES



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Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001 Emission Point: 20002

Item 37.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Opacity standard for stacks. Opacity shall be monitored
during Department (NYS DEC) inspections by Method 9
certified Department staff.

Parameter Monitored: OPACITY

Upper Permit Limit: 7 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 38: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-AG001 Emission Point: 20002

Regulated Contaminant(s):

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CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter standard for any transfer point on belt conveyors or from any other affected facility at a nonmetallic minerals processing plant.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 cubic feet per minute (standard conditions)

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 39: Emissions from new emission sources and/or modifications
Effective between the dates of 10/10/2001 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 39.1:

This Condition applies to Emission Unit: U-DRUM1

Item 39.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 40: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE OPERATOR WILL MONITOR THE PRESSURE
DIFFERENTIAL ACROSS THE BAGHOUSE ON A
DAILY BASIS. DAILY RECORDS OF THE
PRESSURE DIFFERENTIAL READINGS ARE TO BE
MAINTAINED, INCLUDING CORRECTIVE ACTIONS
TAKEN AND MAINTENANCE ACTIVITIES, ON SITE
FOR A PERIOD OF FIVE YEARS.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 0.5 inches of water

Upper Permit Limit: 10 inches of water

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 41: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an
opacity during any six consecutive minutes of 20 percent
or greater from any process emission source, except only
the emission of uncombined water. Compliance with this
requirement shall be determined by the facility
owner/operator conducting a visible emissions observation
(determining the presence or absence of visible emissions
greater than the limit specified) of all emission points
and/or emission sources once per day, during daylight



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hours, except during periods of extreme weather (fog, snow, rain). If any visible emissions are noted above the limit specified, corrective action is required.

Daily records of observations are to be maintained, including corrective actions taken and explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 48: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 48.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



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Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

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

Item 42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Combustion efficiency shall be at least 99% while burning Waste Fuel A. The facility shall demonstrate the efficiency using a NYSDEC approved protocol and with a NYSDEC witness. The protocol shall be submitted to the regional office within 15 days of permit issuance and the demonstration shall be completed within 30 days of approval of the protocol. A written report of the demonstration shall be submitted to the regional office within 30 days of the demonstration.

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 50

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Item 43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 43.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Sulfur content of fuel oils and Waste Fuel A limited to insure compliance with the National Ambient Air Quality Standards (NAAQS) and NY State standards for SO₂. This limit was used in dispersion modeling. Callanan shall retain fuel oil supplier certifications for each supplier.

Such certifications shall contain, as a minimum: supplier name, date until certification is valid, and a statement indicating that the oil sulfur content is less than the upper limit. Such certifications must be retained by Callanan for five calendar years, kept on site and furnished to the Department upon request.

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: .6 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 44: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 10/10/2001 and Permit Expiration Date**

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 44.1:

This Condition applies to Emission Unit: U-DRUM1

Item 44.2:

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,



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administrative and reporting requirements.

Condition 45: Modification Notification
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 45.1:

This Condition applies to Emission Unit: U-DRUM1

Item 45.2:

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- 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 40 CFR Part 60. 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, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

Condition 46: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.90, NSPS Subpart I

Item 46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The opacity from an affected hot mix asphalt plant must not exceed 20% based on a 6 minute average.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 47: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.90, NSPS Subpart I

Item 47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The particulate matter emissions from an affected hot mix asphalt plant must not exceed 0.04 grains per DSCF.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.04 grains per dscf

Reference Test Method: method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)

Item 49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1 Emission Point: 00022

Process: DRA

Regulated Contaminant(s):

CAS No: 007553-56-2 IODINE

CAS No: 007782-41-4 FLUORINE



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CAS No: 007782-50-5 CHLORINE

CAS No: 007726-95-6 BROMINE

Item 49.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition specified in Part 225-2.2(b)(9). Limit is for total halogens. Blending to meet this limit may not be performed in Callanan's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by Callanan for five calendar years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Process Material: WASTE OIL

Parameter Monitored: TOTAL HALOGENS

Upper Permit Limit: 1000 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 50: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)

Item 50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1 Emission Point: 00022

Process: DRA

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 50.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition specified in Part 225-2.2(b)(9). Blending to meet this limit may not be



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performed in Callanan's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by Callanan for five calender years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Process Material: WASTE OIL

Parameter Monitored: HEAT CONTENT

Upper Permit Limit: 125000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)

Item 51.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1 Emission Point: 00022

Process: DRA

Regulated Contaminant(s):

CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 51.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition specified in Part 225-2.2(b)(9). Blending to meet this limit may not be performed in Callanan's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by Callanan for five calender years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Process Material: WASTE OIL

Parameter Monitored: POLYCHLORINATED BIPHENYLS (48%CL)

Upper Permit Limit: 50 parts per million by weight

Monitoring Frequency: PER DELIVERY



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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 52: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)

Item 52.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-DRUM1 Emission Point: 00022

Process: DRA

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition specified in Part
225-2.2(b)(9). Specifically, the fuel shall contain no
chemical waste. A copy of the analysis of the fuel
received from the deliverer must be retained by Callanan
for five calendar years for each delivery. Such records
shall be kept on site and furnished to the Department upon
request.

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0 percent

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Demonstration

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 50

Item 53.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: U-DRUM1 Emission Point: 00022
Process: DRA

Regulated Contaminant(s):
CAS No: 007439-92-1 LEAD

Item 53.2:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Lead content of Waste Fuel A limited to insure compliance
with the National Ambient Air Quality Standard (NAAQS) for
lead. Blending to meet this limit may not be performed in
Callanan's tanks. A copy of the analysis of the fuel
received from the deliverer must be retained by Callanan
for five calender years for each delivery. Such records
shall be kept on site and furnished to the Department upon
request.

Process Material: WASTE OIL
Parameter Monitored: LEAD
Upper Permit Limit: 100 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

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STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 54: General Provisions
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 54.1:

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 54.2:

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 54.3:

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 55: Permit Exclusion Provisions
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 55.1:

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 supersede, 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 56: Emission Unit Definition

Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 56.1:

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

Emission Unit: U-AG001

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF AN EXISTING FIXED AGGREGATE PROCESSING PLANT WITH CRUSHERS, SCREENS, AND CONVEYORS, PRODUCING SEVERAL GRADES OF STONE PRODUCTS, OPERATING AT A NOMINAL THROUGHPUT RATE OF 750 TONS PER HOUR.

THE FIXED AGGREGATE PLANT EMISSION UNIT HAS BEEN BROKEN DOWN BY CO-LOCATED EQUIPMENT TO ESTABLISH FUGITIVE EMISSION POINTS.

CRUSHERS AND SCREENS OPERATING IN A TOWER CONFIGURATION ARE TAKEN TOGETHER AS A DISCREET PROCESS. EACH OF THE TOWERS HAS SIDING AND A ROOF THAT EFFECTIVELY ENCLOSES THE SCREENS, WHILE THE CRUSHERS ARE PART OF THE TOWER BUT NOT ENCLOSED. AS A RESULT, THERE ARE NO DISCRETE OR FUGITIVE EMISSIONS FROM THE SCREENS. MATERIAL LOST FROM THE SCREENING PROCESS COLLECTS WITHIN THE ENCLOSED TOWER, AND IS PERIODICALLY MECHANICALLY REMOVED FOR SEPARATE HANDLING.

ALL CONVEYORS HAVE BEEN GROUPED TOGETHER AS AN EMISSION POINT. DEFINING EMISSION

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POINTS IN THIS MANNER RESULTS IN A LOGICAL GROUPING OF EQUIPMENT WHICH FACILITATES CALCULATION OF EMISSIONS AND INSPECTION OF THE FACILITY. THE PROCESSES AND EMISSION POINTS ARE DEFINED AS FOLLOWS (REFER TO PLANT FLOWSHEET IN ATTACHMENTS):

PROCESS SC1-SCALPING SCREEN (ENCLOSED) AND SECONDARY CRUSHER -
EMISSION POINT EP 20001 (BH003 STACK)
FUGITIVE EP 200E1.

PROCESS: SC2 - SCREEN TOWER 2 (ONE SCREEN)

EMISSION POINT: ENCLOSED, FUGITIVE EP 200E2.

PROCESS: TC1 - TERTIARY CRUSHERS (TWO CRUSHERS)

EMISSION POINT: EP20002 (BH004 STACK).

PROCESS: SC3 - SCREEN TOWER 3 (TWO SETS OF PARALLEL SCREENS, FOUR TOTAL)

EMISSION POINT: ENCLOSED, FUGITIVE EP 200E3.

PROCESS: SC4 - SCREEN TOWER 4 (TWO SCREENS IN PARALLEL)

EMISSION POINT: ENCLOSED, FUGITIVE, EP 200E4.

PROCESS: CV1 - CONVEYORS

EMISSION POINT: EP 20003 (FUGITIVE)

PROCESS: LB1 TRUCK LOADOUT BINS EMISSION POINT: EP20004 (FUG), EP 20005(FUG).

PROCESS: WSH - AGGREGATE WASH PLANT

EMISSION POINT: NO EMISSIONS.

THE EMISSIONS FROM THE UNIT CONSIST OF PARTICULATE MATTER FROM CRUSHERS AND CONVEYORS.

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A WATER SPRAY SYSTEM IS USED TO CONTROL DUST EMISSIONS AT DROP POINTS WHERE THE MOVEMENT OF FINE MATERIAL MAKES CONTROL NECESSARY. THIS INCLUDES CRUSHER DISCHARGE DROPS AND DROPS ONTO SOME OF THE SCREENS, CONVEYORS AND STOCK PILES. THE WATER SPRAY SYSTEM IS SUPPLIED AND OPERATED FROM A CENTRAL CONTROL PANEL.

A SCHEMATIC DIAGRAM OF THE AGGREGATE PLANT OPERATION, INCLUDED AS AN ATTACHMENT TO THIS APPLICATION, ILLUSTRATES THE GROUPING OF EMISSION POINTS, AND INDICATES THE LOCATION OF WATER SPRAY HEADS. ALTHOUGH SPRAY HEADS ARE NOT PROVIDED AT EVERY DROP POINT, ALL EQUIPMENT AND DROP POINTS ARE EFFECTIVELY CONTROLLED BY THE WATER SPRAY EQUIPMENT BECAUSE THE MOISTURE CONTENT ACHIEVED AT CONTROL POINTS IS CARRIED THROUGH SUBSEQUENT PROCESSES.

OPERATING CONTINUOUSLY THROUGHOUT THE YEAR (8760 HOURS), THE AGGREGATE PLANT EQUIPMENT WITHOUT CONTROLS WOULD EXCEED THE PM-10 CAP. THE UNCONTROLLED EMISSIONS ARE SUMMARIZED IN THE ATTACHMENTS. EMISSION CALCULATIONS ARE INCLUDED IN THE ATTACHMENTS TO THIS APPLICATION DATED 4/11/01.

Item 56.2:

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

Emission Unit: U-DRUM1

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE EXISTING DRUM MIX HOT ASPHALT PLANT. THIS EMISSION UNIT INCLUDES ONE EMISSION POINT, THE BAGHOUSE EXHAUST, EP 10001. EMISSION SOURCES IN THIS EMISSION UNIT ARE THE DRUM (DRM01) AND THE DRUM HEATER BURNER (DHT01). A CYCLONE (CYCL1) ON THE INLET SIDE OF THE BAGHOUSE (BH001) FOR PARTICULATE REDUCTION RETURNS RECOVERED MATERIAL TO THE DRUM.

THE DRUM HEATER BURNER MAY BURN NATURAL

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GAS, NUMBER 2 OR 4 OIL OR WASTE FUEL A.
THE EMISSIONS INCLUDE NOX, SO₂, CO,
PARTICULATE, VOC AND HAP. PROCESS
DESCRIPTIONS ARE INCLUDED FOR THE OPERATION
OF THE DRUM PLANT ON NATURAL GAS, NUMBER 2
OR 4 OIL OR WASTE FUEL A.

OPERATING CONTINUOUSLY THROUGHOUT THE YEAR
(8760 HRS), THE DRUM PLANT BY ITSELF WOULD
EXCEED THE CARBON MONOXIDE CAP. THE
EMISSIONS ARE SUMMARIZED IN THE
ATTACHMENTS. BURNING OIL, WASTE FUEL A OR
GAS, OPERATION OF THE DRUM MIX PLANT IS
LIMITED BY CO EMISSIONS. BY STAYING WITHIN
THE CO LIMITS ON THIS EMISSION UNIT, THE
OTHER CONTAMINANTS ARE EFFECTIVELY CAPPED
BELOW THE FACILITY LIMITS. IN CONJUNCTION
WITH OPERATION OF THE OTHER EMISSION UNIT,
DRUM PLANT PRODUCTION WILL BE LIMITED TO
MAINTAIN EMISSIONS BELOW THE PROPOSED CAP
LIMITS. EMISSION CALCULATIONS ARE INCLUDED
IN THE ATTACHMENTS TO THIS APPLICATION
SIGNED 4/11/01.

Condition 57: Contaminant List
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 57.1:

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

CAS No: 000075-07-0
Name: ACETALDEHYDE

CAS No: 007440-38-2
Name: ARSENIC

CAS No: 000071-43-2
Name: BENZENE

CAS No: 007440-41-7
Name: BERYLLIUM

CAS No: 007726-95-6
Name: BROMINE



CAS No: 007440-43-9
Name: CADMIUM

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

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 007440-47-3
Name: CHROMIUM

CAS No: 000100-41-4
Name: ETHYLBENZENE

CAS No: 007782-41-4
Name: FLUORINE

CAS No: 000050-00-0
Name: FORMALDEHYDE

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

CAS No: 007553-56-2
Name: IODINE

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-96-5
Name: MANGANESE

CAS No: 007439-97-6
Name: MERCURY

CAS No: 000091-20-3
Name: NAPHTHALENE

CAS No: 007440-02-0
Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

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

CAS No: 0NY075-00-0

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Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 000106-51-4

Name: QUINONE

CAS No: 007782-49-2

Name: SELENIUM

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 000108-88-3

Name: TOLUENE

CAS No: 0NY998-00-0

Name: VOC

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

Condition 58: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 58.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with all of the provisions of its Fugitive Dust Control Plan contained in its August, 1995 application to the Department for "Relocation of the Facility."



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 59: Emission Point Definition By Emission Unit
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 59.1:

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

Emission Unit: U-AG001

Emission Point: 20001

Height (ft.): 51

Diameter (in.): 24

NYTMN (km.): 4705.

NYTME (km.): 597.5

Emission Point: 20002

Height (ft.): 53

Diameter (in.): 27

NYTMN (km.): 4705.

NYTME (km.): 597.5

Item 59.2:

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

Emission Unit: U-DRUM1

Emission Point: 00022

Height (ft.): 31

Diameter (in.): 43

NYTMN (km.): 4705.

NYTME (km.): 597.5

Condition 60: Process Definition By Emission Unit
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 60.1:

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

Emission Unit: U-AG001

Process: CV1

Source Classification Code: 3-05-020-06

Process Description:

OPERATION OF ALL FIXED AGGREGATE PLANT

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CONVEYORS. FOR THE PURPOSE OF CALCULATING EMISSIONS, IT IS ASSUMED THAT ALL CONVEYORS RECEIVE 100% OF THE PLANT THROUGHPUT, AND ALL DROP POINTS ARE CONTROLLED DIRECTLY WITH SPRAY BARS, OR INDIRECTLY FROM MOISTURE RETENTION AT PRIOR CONTROL POINTS. PROCESS RESULTS IN FUGITIVE PARTICULATE EMISSIONS FROM EMISSION POINT 20003.

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

Emission Source/Control: PCNV1 - Process Removal Date: 03/04/2003

Emission Source/Control: TCNV1 - Process Removal Date: 03/04/2003

Item 60.2:

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

Emission Unit: U-AG001

Process: LB1

Source Classification Code: 3-05-020-21

Process Description:

OPERATION OF TRUCK LOAD OUT BINS RESULTING IN FUGITIVE EMISSIONS THROUGH EMISSION POINTS 20004 AND 20005. SCREENINGS FROM TOWER 3 ARE CONVEYED TO A 200 TON BIN (EP 20004) WITH A LOADOUT RATE UP TO 1000 TPH. CLASSIFIED PRODUCTS FROM TOWER 2, 3 AND 4 ARE CONVEYED BY TUNNEL CONVEYOR TO THREE 200 TON BINS (EP 20005) WITH A COMBINED LOAD OUT RATE UP TO 1000 TPH. DROP POINTS ABOVE BINS ARE CONTROLLED WITH SPARY BARS. THE AVERAGE MONTHLY LOAD OUT RATES ARE LIMITED BY THE OVERALL PLANT CAPACITY TO A COMBINED 750 TPH.

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

Emission Source/Control: TLB01 - Process Removal Date: 03/04/2003

Emission Source/Control: TLB02 - Process Removal Date: 03/04/2003

Item 60.3:

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

Emission Unit: U-AG001



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Process: SC1

Source Classification Code: 3-05-020-15

Process Description:

OPERATION OF THE SCALPING SCREEN AND SECONDARY CRUSHER, TOWER 1, WITH A NOMINAL 750 TPH FEED RATE. THE SCREEN RECEIVES 100% OF THE PRIMARY CRUSHER FEED. THE SECONDARY CRUSHER RECEIVES 65%. PARTICULATE EMISSIONS FROM THE CRUSHER ARE CONTROLLED BY A BAGHOUSE (BH003, EP20001). THE SCREEN IS COVERED AND THE TOWER IS ENCLOSED. THE PROCESS MATERIAL IS WETTED WITH SPRAY BARS ON THE FEED CONVEYOR. THE ENCLOSED TOWER IS TREATED AS A FUGITIVE EMISSION POINT (EP200E1) FOR DIMINIMUS PARTICULATE LOSSES THAT MAY OCCUR. THE SCALPING SCREEN AND SECONDARY CRUSHER DISCHARGE PASS THROUGH MATERIAL TO STOCKPILES OR DIRECTLY TO THE TERTIARY CRUSHERS (PROCESS TC1).

Emission Source/Control: BH003 - Control

Control Type: FABRIC FILTER

Emission Source/Control: WSPRY - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: CR002 - Process Removal Date: 03/04/2003

Design Capacity: 700 tons per hour

Emission Source/Control: SCR01 - Process Removal Date: 03/04/2003

Design Capacity: 1,000 tons per hour

Item 60.4:

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

Emission Unit: U-AG001

Process: SC2

Source Classification Code: 3-05-020-02

Process Description:

OPERATION OF SECONDARY SCREENING TOWER 2, RECEIVING 172% OF THE PLANT THROUGHPUT. THE SCREENS ARE COVERED AND THE SCREEN TOWER IS ENCLOSED. THE PROCESS MATERIAL IS WETTED WITH SPRAY BARS ON THE FEED CONVEYOR. THE ENCLOSED TOWER IS TREATED AS A FUGITIVE EMISSION POINT (EP 200E2) FOR DIMINIMUS PARTICULATE LOSSES THAT MAY OCCUR. THE SECONDARY SCREENING TOWER

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RECEIVES MATERIAL FROM PROCESS SC1 AND RECIRCULATED MATERIAL FROM THE TERTIARY CRUSHERS. SCREENED MATERIAL FROM TOWER 2 IS CONVEYED TO A BALLAST STOCKPILE, OR RETURNED TO THE TERTIARY CRUSHERS, AND THE PASSED MATERIAL IS CONVEYED TO TOWER 3.

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

Emission Source/Control: SCR02 - Process Removal Date: 03/04/2003
Design Capacity: 1,200 tons per hour

Item 60.5:

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

Emission Unit: U-AG001

Process: SC3

Source Classification Code: 3-05-020-03

Process Description:

OPERATION OF SECONDARY SCREENING TOWER 3, RECEIVING APPROXIMATELY 750 TPH. THE SCREENS ARE COVERED AND THE SCREEN TOWER IS ENCLOSED. THE PROCESS MATERIAL IS WETTED WITH SPRAY BARS ON THE FEED CONVEYOR. THE ENCLOSED TOWER IS TREATED AS A FUGITIVE EMISSION POINT (EP 200E3) FOR DIMINIMUS PARTICULATE LOSSES THAT MAY OCCUR. SCREENED MATERIAL IS CONVEYED TO FINISHED PRODUCT STOCKPILES, TO TOWER 4, OR RETURNED TO THE TERTIARY CRUSHERS, PASSED MATERIAL IS CONVEYED TO THE FINES BIN OR WASHING OPERATION. SCREENS SCR3A AND SCR3B OPERATE IN PARALLEL. SCREENS SCR4A AND SCR4B OPERATE IN PARALLEL. IT IS ASSUMED, FOR THE PURPOSES OF EMISSION CALCULATIONS, THAT SCREEN PAIR 3 AND SCREEN PAIR 4 RECEIVE THE FULL PROCESS THROUGHPUT. IN PRACTICE, SCREEN PAIR 4 WILL RECEIVE LESS THAN PAIR 3.

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

Emission Source/Control: SCR3A - Process Removal Date: 03/04/2003
Design Capacity: 400 tons per hour

Emission Source/Control: SCR3B - Process Removal Date: 03/04/2003



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Design Capacity: 400 tons per hour

Emission Source/Control: SCR4A - Process Removal Date: 03/04/2003

Design Capacity: 450 tons per hour

Emission Source/Control: SCR4B - Process Removal Date: 03/04/2003

Design Capacity: 450 tons per hour

Item 60.6:

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

Emission Unit: U-AG001

Process: SC4

Source Classification Code: 3-05-020-21

Process Description:

OPERATION OF FINE SCREENING, TOWER 4, RECEIVING APPROXIMATELY 350 TPH. THE SCREENS ARE COVERED AND THE SCREEN TOWER IS ENCLOSED. THE PROCESS MATERIAL IS WETTED WITH SPRAY BARS ON THE FEED CONVEYOR. THE ENCLOSED TOWER IS TREATED AS A FUGITIVE EMISSION POINT (EP 200E4) FOR DIMINIMUS PARTICULATE LOSSES THAT MAY OCCUR. TOWER 4 DISCHARGES SCREENED MATERIAL TO FINISHED PRODUCT STOCKPILES, PASSED MATERIAL IS CONVEYED TO THE FINE BIN AND STOCKPILE. SCREENS SCR5A AND SCR5B OPERATE IN PARALLEL. ALTHOUGH THE SCREENS HAVE HIGHER RATED CAPACITIES, THE THROUGHPUT OF THIS PROCESS IS LIMITED BY THE CAPACITY OF THE OVERALL PLANT CAPACITY TO APPROXIMATELY 350 TPH.

Emission Source/Control: WSPRY - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: SCR5A - Process Removal Date: 03/04/2003

Design Capacity: 250 tons per hour

Emission Source/Control: SCR5B - Process Removal Date: 03/04/2003

Design Capacity: 250 tons per hour

Item 60.7:

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

Emission Unit: U-AG001

Process: TC1

Source Classification Code: 3-05-020-03

Process Description:

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OPERATION OF TWO TERTIARY CRUSHERS RECEIVING APPROXIMATELY COMBINED 72% OF THE PLANT THROUGHPUT, RESULTING IN PARTICULATE EMISSIONS CONTROLLED WITH A BAGHOUSE (BH004, EP20002). CRUSHED MATERIAL IS RETURNED TO THE TOWER 2 SCREEN. CRUSHER CR003 RECEIVES STONE FROM TOWER 2 AT 49% OF PLANT THROUGHPUT. CRUSHER CR004 RECEIVES STONE FROM TOWERS 2 AND 3 AT 23% OF PLANT THROUGHPUT. ALTHOUGH THE CRUSHERS HAVE HIGHER RATED CAPACITIES, THE THROUGHPUT OF THIS PROCESS IS LIMITED TO APPROXIMATELY 450 TPH COMBINED, BY THE OVERALL PLANT CAPACITY.

Emission Source/Control: BH004 - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: CR003 - Process Removal Date: 03/04/2003
Design Capacity: 450 tons per hour

Emission Source/Control: CR004 - Process Removal Date: 03/04/2003
Design Capacity: 400 tons per hour

Item 60.8:

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

Emission Unit: U-DRUM1

Process: DR4

Source Classification Code: 3-05-002-05

Process Description:

CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. LIQUID ASPHALT CEMENT IS COMBINED WITH THE AGGREGATE IN THE DRUM. THE DRUM OPERATES CONTINUOUSLY, DISCHARGING TO A CONVEYOR THAT TRANSFERS THE FINISHED ASPHALT TO A STORAGE SILO WHERE THE MATERIAL IS STORED. ASPHALT IS TRANSFERRED FROM THE SILO TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS #4 OIL, PRODUCING NOX, SOX, VOC, CO AND HAP. THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE WHICH IS CONTROLLED BY THE BAGHOUSE (BH001) AND CYCLONE (CYCL1)

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EXHAUSTING THROUGH EP 10001.

Emission Source/Control: DHT01 - Combustion
Design Capacity: 120 million Btu per hour

Emission Source/Control: BH001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CYCL1 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: DRM01 - Process
Design Capacity: 450 tons per hour

Item 60.9:

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

Emission Unit: U-DRUM1

Process: DRA

Source Classification Code: 3-05-002-05

Process Description:

CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. LIQUID ASPHALT CEMENT IS COMBINED WITH THE AGGREGATE IN THE DRUM. THE DRUM OPERATES CONTINUOUSLY, DISCHARGING TO A CONVEYOR THAT TRANSFERS THE FINISHED ASPHALT TO A STORAGE SILO WHERE THE MATERIAL IS STORED. ASPHALT IS TRANSFERRED FROM THE SILO TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS WASTE FUEL A PRODUCING NOX, SOX, VOC, CO AND HAP. THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER THAT IS CONTROLLED BY THE BAGHOUSE (BH001) AND CYCLONE (CYCL1), EXHAUSTING THROUGH EP 10001.

Emission Source/Control: DHT01 - Combustion
Design Capacity: 120 million Btu per hour

Emission Source/Control: BH001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CYCL1 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: DRM01 - Process

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Design Capacity: 450 tons per hour

Item 60.10:

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

Emission Unit: U-DRUM1

Process: DRG

Source Classification Code: 3-05-002-05

Process Description:

CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. LIQUID ASPHALT CEMENT IS COMBINED WITH THE AGGREGATE IN THE DRUM. THE DRUM OPERATES CONTINUOUSLY, DISCHARGING TO A CONVEYOR THAT TRANSFERS THE FINISHED ASPHALT TO A STORAGE SILO WHERE THE MATERIAL IS STORED. ASPHALT IS TRANSFERRED FROM THE SILO TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS NATURAL GAS, PRODUCING NOX, SOX, VOC, CO AND HAP. THE ACTION OF THE DRUM ON THE AGGREGATE GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001) AND CYCLONE (CYCL1), EXHAUSTING THROUGH EP 10001.

Emission Source/Control: DHT01 - Combustion

Design Capacity: 120 million Btu per hour

Emission Source/Control: BH001 - Control

Control Type: FABRIC FILTER

Emission Source/Control: CYCL1 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: DRM01 - Process

Design Capacity: 450 tons per hour

Item 60.11:

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

Emission Unit: U-DRUM1

Process: DRO

Source Classification Code: 3-05-002-05

Process Description:

CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. LIQUID ASPHALT CEMENT IS COMBINED WITH THE AGGREGATE IN THE DRUM.

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THE DRUM OPERATES CONTINUOUSLY, DISCHARGING TO A CONVEYOR THAT TRANSFERS THE FINISHED ASPHALT TO A STORAGE SILO WHERE THE MATERIAL IS STORED. ASPHALT IS TRANSFERRED FROM THE SILO TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS NO. 2 OIL PRODUCING NOX, SOX, VOC, CO AND HAP. THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001) AND CYCLONE (CYCL1), EXHAUSTING THROUGH EP 10001.

Emission Source/Control: DHT01 - Combustion
Design Capacity: 120 million Btu per hour

Emission Source/Control: BH001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CYCL1 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: DRM01 - Process
Design Capacity: 450 tons per hour