PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-0126-00023/00002
Effective Date: 10/10/2001  Expiration Date: No expiration date

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

Contact: MARK A CLEMENTE
CALLANAN INDUSTRIES INC
PO BOX 15097
ALBANY, NY 12212-5097
(518) 374-2222

Facility: CALLANAN INDUSTRIES LANSING LN
19 LANSING LANE
WATERVLJET, NY  12189

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: ___ / ___ / _____

FINAL
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
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
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 INDUSTRIES LANSING LN
19 LANSING LANE
WATERVLIET, NY 12189

Authorized Activity By Standard Industrial Classification Code:
2951 - PAVING MIXTURES AND BLOCKS
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-BCH01
23 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications
24 6NYCRR 212.4(a): Compliance Demonstration
25 6NYCRR 212.6(a): Compliance Demonstration
26 6NYCRR 212.6(a): Compliance Demonstration
27 6NYCRR 212.6(a): Compliance Demonstration
28 6NYCRR 225-2.3(b)(3): Compliance Demonstration
*29 40CFR 50: Compliance Demonstration

EU=U-BCH01,EP=10001,Proc=BPA
30 6NYCRR 225-2.4(a)(2): Compliance Demonstration
31 6NYCRR 225-2.4(a)(2): Compliance Demonstration
32 6NYCRR 225-2.4(a)(2): Compliance Demonstration
33 6NYCRR 225-2.4(a)(2): Compliance Demonstration
*34 40CFR 50: Compliance Demonstration
STATE ONLY ENFORCEABLE CONDITIONS

Facility Level
35  6NYCRR 201-5: General Provisions
36  6NYCRR 201-5: Permit Exclusion Provisions
37  6NYCRR 201-5: Emission Unit Definition
38  6NYCRR 201-5.3(b): Contaminant List
39  6NYCRR 211.2: Compliance Demonstration

Emission Unit Level
40  6NYCRR 201-5: Emission Point Definition By Emission Unit
41  6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.

Permit Effective Date: 10/10/2001     Permit Expiration Date: No expiration date.
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
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-
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.
(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.
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
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:

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Name</th>
<th>PTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>000050-00-0</td>
<td>FORMALDEHYDE</td>
<td>19,000</td>
</tr>
<tr>
<td>000071-43-2</td>
<td>BENZENE</td>
<td>19,000</td>
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<tr>
<td>000075-07-0</td>
<td>ACETALDEHYDE</td>
<td>19,000</td>
</tr>
<tr>
<td>000091-20-3</td>
<td>NAPHTHALENE</td>
<td>19,000</td>
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<td>QUINONE</td>
<td>19,000</td>
</tr>
<tr>
<td>000108-88-3</td>
<td>TOLUENE</td>
<td>19,000</td>
</tr>
<tr>
<td>000630-08-0</td>
<td>CARBON MONOXIDE</td>
<td>190,000</td>
</tr>
<tr>
<td>001330-20-7</td>
<td>XYLENE, M, O &amp; P MIXT.</td>
<td>19,000</td>
</tr>
<tr>
<td>001330-33-3</td>
<td>POLYCHLORINATED BIPHENYL</td>
<td>19,000</td>
</tr>
<tr>
<td>007439-92-1</td>
<td>LEAD</td>
<td>19,000</td>
</tr>
<tr>
<td>007439-96-5</td>
<td>MANGANESE</td>
<td>19,000</td>
</tr>
<tr>
<td>007439-97-6</td>
<td></td>
<td>19,000</td>
</tr>
</tbody>
</table>
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: 190,000 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):
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 FROM THE EMISSION UNIT 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 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 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: 0NY998-00-0  VOC

**Item 14.2:**
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
- VOC EMISSIONS FROM THE EMISSION UNIT WILL BE LIMITED TO 47.5 TONS/YR.
- EMISSIONS WILL BE TRACKED ON A 12-MONTH ROLLING TOTAL BASIS, USING PRODUCTION DATA AND MOST CURRENT AP-42 EMISSION

Air Pollution Control Permit Conditions
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FACTORS (FACTORS AT 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: 000050-00-0  FORMALDEHYDE
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: 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: 001330-20-7  XYLENE, M, O & P MIXT.

Item 15.2:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
INDIVIDUAL HAP EMISSIONS FROM THE EMISSION UNIT 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 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 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: 000630-08-0  CARBON MONOXIDE
CAS No: 007446-09-5  SULFUR DIOXIDE
CAS No: 0NY210-00-0  OXIDES OF NITROGEN
CAS No: 0NY075-00-5  PM-10

**Item 16.2:**
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EMISSIONS FROM THE EMISSION UNIT WILL BE LIMITED TO 95 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 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 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**
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  
  **Name:** LEAD  
  **PTE:** 19,000 pounds per year

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

**** 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-BCH01

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

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 24.1:
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01

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

Item 24.2:
Compliance Demonstration shall include the following monitoring:
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
EMISSIONS OF SOLID PARTICULATES ARE
LIMITED TO NO MORE THAN 0.030 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
Upper Permit Limit: 0.03 grains per dscf
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 25: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 25.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-BCH01

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

Item 25.2:
Compliance Demonstration shall include the following monitoring:

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 5 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 26: Compliance Demonstration**
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

**Item 26.1:**
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01
- 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:
  - 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 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 27:** Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

**Item 27.1:**  
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01
- Regulated Contaminant(s):
  - CAS No: 0NY075-00-0  PARTICULATES

**Item 27.2:**  
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  
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 28:** Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

**Item 28.1:**  
The Compliance Demonstration activity will be performed for:
Item 28.2:
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 29: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date
Applicable Federal Requirement: 40CFR 50

Item 29.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-BCH01
Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 29.2:
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 30: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 30.1: The Compliance Demonstration activity will be performed for:

Emission Unit: U-BCH01  Emission Point: 10001
Process: BPA

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:
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 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: HEAT CONTENT  
Lower 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 31:** Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

**Item 31.1:**
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01  
  Emission Point: 10001  
  Process: BPA

- 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:
  Waste Fuel A must meet the definition specified in Part 225-2.2(b)(9). Specifically, the fuel shall contain no chemical waste. 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: CONCENTRATION  
Upper Permit Limit: 0 percent  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
Condition 32: Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date  

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

Item 32.1:  
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01  
- Emission Point: 10001  
- Process: BPA

- Regulated Contaminant(s):
  - CAS No: 007553-56-2  IODINE
  - CAS No: 007726-95-6  BROMINE
  - CAS No: 007782-41-4  FLUORINE
  - CAS No: 007782-50-5  CHLORINE

Item 32.2:  
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 33: Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date  

Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)
Item 33.1:  
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01  Emission Point: 10001
- Process: BPA

- Regulated Contaminant(s):
  - CAS No: 001336-36-3  POLYCHLORINATED BIPHENYL

Item 33.2:
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 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: POLYCHLORINATED BIPHENYLs (48% CL)
- Upper Permit Limit: 50  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 34:  Compliance Demonstration  
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 50

Item 34.1:  
The Compliance Demonstration activity will be performed for:

- Emission Unit: U-BCH01  Emission Point: 10001
- Process: BPA

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

Item 34.2:  
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 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: 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
STATE ONLY ENFORCEABLE CONDITIONS

**** Facility Level ****

Condition 35: General Provisions
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 35.1:
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 35.2:
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 35.3:
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 36: Permit Exclusion Provisions
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 36.1:
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...
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 37: Emission Unit Definition

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

Applicable State Requirement: 6NYCRR 201-5

Item 37.1:
The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-BCH01

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A BATCH MIX ASPHALT PLANT PRESENTLY PERMITTED TO OPERATE AT THIS FACILITY. THIS EMISSION UNIT HAS ONE EMISSION POINT, THE BAGHOUSE EXHAUST, EP10001. EMISSION SOURCES IN THIS EMISSION UNIT ARE THE DRUM (DRM01), THE DRUM HEATER BURNER (DHT01), AND THE BAGHOUSE (BH001).

THE BATCH PLANT WILL BE ON LINE POWER, AND THE BURNER MAY BURN NATURAL GAS, #2 OIL, #4 OIL OR WASTE FUEL A. THE EMISSIONS INCLUDE NOX, SO2, CO, PARTICULATES, VOC AND HAP. PROCESS DESCRIPTIONS ARE INCLUDED FOR THE OPERATION OF A BATCH PLANT ON NATURAL GAS, #2 OIL, #4 OIL OR WASTE FUEL A.

OPERATING CONTINUOUSLY THROUGHOUT THE YEAR (8760 HRS), THE BATCH PLANT BY ITSELF WOULD EXCEED THE CO CAP. EMISSIONS ARE SUMMARIZED IN THE ATTACHMENTS, FOR USE IN DETERMINING THE ERPS FOR THE EMISSION UNIT EMISSION SUMMARY. BURNING OIL, WASTE FUEL OR GAS, OPERATION OF THE BATCH MIX PLANT IS LIMITED.
BY CARBON MONOXIDE EMISSIONS. THIS PLANT'S PRODUCTION WILL BE LIMITED TO MAINTAIN EMISSIONS BELOW THE PROPOSED CO FACILITY LIMITS. EMISSION CALCULATIONS ARE INCLUDED IN THE ATTACHMENTS TO THIS APPLICATION SIGNED 8/2001.

Condition 38:  Contaminant List
Effective between the dates of 10/10/2001 and Permit Expiration Date

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

Item 38.1:
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

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
Condition 39: Compliance Demonstration
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 39.1:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 39.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility shall comply with the provisions of its fugitive dust control plan dated 6/20/97.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**** Emission Unit Level ****

Condition 40: 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 40.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-BCH01
Emission Point: 10001
**Condition 41:** Process Definition By Emission Unit  
Effective between the dates of 10/10/2001 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

**Item 41.1:**  
This permit authorizes the following regulated processes for the cited Emission Unit:

<table>
<thead>
<tr>
<th>Emission Unit:</th>
<th>U-BCH01</th>
<th>Process: BP4</th>
<th>Source Classification Code: 3-05-002-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Description:</td>
<td>BATCH MIX ASPHALT PRODUCTION USING #4 OIL IN THE DRUM BURNER. CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. THE MATERIAL IS THEN SCREENED INTO HOT STORAGE BINS, FED TO A WEIGH HOPPER AND TRANSFERRED TO A PUG MILL WHERE ASPHALTIC CEMENT IS MIXED WITH THE AGGREGATE. THE PUG MILL DISCHARGES ASPHALTIC CONCRETE TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS #4 OIL PRODUCING PREDOMINATELY CO AND NOX AND THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001), EXHAUSTING THROUGH EP10001.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emission Source/Control:</td>
<td>DHT01 - Combustion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Capacity:</td>
<td>85 million Btu per hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emission Source/Control:</td>
<td>BH002 - Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control Type:</td>
<td>FABRIC FILTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emission Source/Control:</td>
<td>DRM01 - Process</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design Capacity:</td>
<td>210 tons per hour</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Item 41.2:**  
This permit authorizes the following regulated processes for the cited Emission Unit:

<table>
<thead>
<tr>
<th>Emission Unit:</th>
<th>U-BCH01</th>
<th>Process: BPA</th>
<th>Source Classification Code: 3-05-002-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Description:</td>
<td>BATCH MIX ASPHALT PRODUCTION USING WASTE FUEL A IN THE DRUM BURNER. CRUSHED STONE IS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. THE MATERIAL IS THEN SCREENED INTO HOT STORAGE BINS, FED TO A WEIGH HOPPER AND TRANSFERRED TO A PUG MILL WHERE ASPHALTIC CEMENT IS MIXED WITH THE AGGREGATE. THE PUG MILL DISCHARGES ASPHALTIC CONCRETE TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS NATURAL GAS, PRODUCING PRIMARILY CO AND THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001), EXHAUSTING THROUGH EP10001.

Emission Source/Control: DHT01 - Combustion
Design Capacity: 85 million Btu per hour

Emission Source/Control: BH002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DRM01 - Process
Design Capacity: 210 tons per hour

Item 41.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-BCH01
Process: BPG
Source Classification Code: 3-05-002-01

Process Description:
BATCH MIX ASPHALT PRODUCTION USING GAS IN THE DRUM BURNER. CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE AGGREGATE. THE MATERIAL IS THEN SCREENED INTO HOT STORAGE BINS, FED TO A WEIGH HOPPER AND TRANSFERRED TO A PUG MILL WHERE ASPHALTIC CEMENT IS MIXED WITH THE AGGREGATE. THE PUG MILL DISCHARGES ASPHALTIC CONCRETE TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS NATURAL GAS, PRODUCING PRIMARILY CO AND THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001), EXHAUSTING THROUGH EP10001.

Emission Source/Control: DHT01 - Combustion
Design Capacity: 85 million Btu per hour
Item 41.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

**Emission Unit:** U-BCH01  
**Process:** BPO  
**Source Classification Code:** 3-05-002-01

**Process Description:**
BATCH MIX ASPHALT PRODUCTION USING NO. 2 OIL IN THE DRUM BURNER. CRUSHED STONE IS CONVEYED TO A ROTARY DRUM STONE DRYER WHICH DRIES AND HEATS THE MATERIAL IS THEN SCREENED INTO HOT STORAGE BINS, FED TO A WEIGH HOPPER AND TRANSFERRED TO A PUG MILL WHERE ASPHALTIC CEMENT IS MIXED WITH THE AGGREGATE. THE PUG MILL DISCHARGES FINISHED ASPHALTIC CONCRETE TO TRUCKS BY GRAVITY FEED. THE DRUM HEATER BURNS NO. 2 OIL, PRODUCING NOX, VOC, SO2 AND CO AND THE ACTION OF THE DRUM ON THE AGGREGATES GENERATES PARTICULATE MATTER WHICH IS CONTROLLED BY THE BAGHOUSE (BH001), EXHAUSTING THROUGH EP10001.

**Emission Source/Control:** DHT01 - Combustion  
**Design Capacity:** 85 million Btu per hour

**Emission Source/Control:** BH002 - Control  
**Control Type:** FABRIC FILTER  
**Emission Source/Control:** DRM01 - Process  
**Design Capacity:** 210 tons per hour