

New York State Department of Environmental Conservation
Facility DEC ID: 7312600016



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3126-00016/00263
Effective Date: 07/17/2002 Expiration Date: 07/17/2007

Permit Issued To: BRISTOL-MYERS SQUIBB CO INC
345 PARK AVE
NEW YORK, NY 10154

Facility: BRISTOL-MYERS SQUIBB COMPANY
6000 THOMPSON RD
SYRACUSE, NY 13221-4755

Contact: DAVID P LAPINSKI
BRISTOL MYERS SQUIBB COMPANY
P O BOX 4755
SYRACUSE, NY 13221-4755
(315) 432-2000

Description:
NATURE OF THE BUSINESS CONDUCTED AT THE FACILITY INCLUDING APPLICABLE SIC
CODE:

BMS is engaged in the manufacture of pharmaceutical preparations. Primary activities include manufacturing, quality control, research and development, laboratories, pilot plants, and supporting operations.

SIC code for the facility is 2833 (Pharmaceutical Manufacturing).

TYPE OF EQUIPMENT AND OPERATIONS CARRIED ON AT THE PLANT:

The facility's pharmaceutical manufacturing activities include: fermentation, product recovery, drying and bulk packaging operations. The equipment used for manufacturing pharmaceuticals at BMS include: in-process tanks, reactors, crystallizers, centrifuges, distillation operations, vacuum dryers, air dryers, VOC storage vessels, filters, solvent transfer operations and solvent recovery. Supporting operations include: maintenance, utilities, wastewater pretreatment, and administrative offices. The utilities include: heating boilers, an incinerator, pretreatment boiler, storage tanks, low level pick-ups.

AIR PERMIT APPLICABILITY

Bristol Myers-Squibb is located in East Syracuse, New York. The facility has process emission in excess of Title V thresholds for volatile organic compounds (VOC) and is therefore subject to Title V permit

FINAL



New York State Department of Environmental Conservation
Facility DEC ID: 7312600016

requirements.

OCCURRENCE OF CAPPING

Emission Unit UBMS01 emission points located in building number 75 which include EP's 75001, 75002, 75003, 75004, 75320 and 75321 are capped at a total of 40 tons/year VOC emissions. Emission point 25N00 is capped at 40 tons/year VOC emissions. These limitations cap emissions below the threshold of Part 231 New Source Review and 40 CFR 52.21 (Prevention of Significant Deterioration (PSD)) applicability. The entire facility is capped at less than 100 tons/year of Nitrogen Oxides which is the Part 231 and PSD major facility size threshold and Part 227-2 NOx threshold, until the facility completes NOx RACT testing and receives approval from the NYSDEC of the NOx RACT stack test report, at which time total facility NOx emissions shall be capped at less than 133.4 tons/year NOx. NOx emissions from the WWTP Boiler are capped at 40 tons/year. NOx emissions from Boiler #9 are capped at 40 tons/year. Total sulfur dioxide emissions from Boilers #8 and #9 are capped at 40 tons/year.

Consent Orders or Compliance Plans

BMS has a Consent Order numbers R7-1025-97-05 and D7-0001093-06 which are related to Emission Unit UBMS01 and has submitted a Compliance Plan. The facility is in compliance with these Consent Orders and has fulfilled the requirements of the Compliance Plan.

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: JOANNE L MARCH
 615 ERIE BLVD WEST
 SYRACUSE, NY 13204-2400

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 7
HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305.

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute,



New York State Department of Environmental Conservation
Facility DEC ID: 7312600016

regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: BRISTOL-MYERS SQUIBB CO INC
345 PARK AVE
NEW YORK, NY 10154

Facility: BRISTOL-MYERS SQUIBB COMPANY
6000 THOMPSON RD
SYRACUSE, NY 13221-4755

Contact: DAVID P LAPINSKI
BRISTOL MYERS SQUIBB COMPANY
P O BOX 4755
SYRACUSE, NY 13221-4755
(315) 432-2000



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 Emission Unit Definition
- 2 Recordkeeping and reporting of compliance monitoring
- 3 Monitoring, Related Recordkeeping, and Reporting Requirements.
- 4 Compliance Certification
- 5 Compliance Certification
- 6 Compliance Certification
- 7 Compliance Certification
- 8 Compliance Certification
- 9 Compliance Certification
- 10 Recordkeeping requirements
- 11 Compliance Certification
- 12 Compliance Certification
- 13 Compliance Certification
- 14 RACT
- 15 Contents of operating plans.
- 16 Compliance Certification
- 17 Compliance Certification
- 18 Facility Permissible Emissions
- 19 Compliance Certification
- 20 Date of construction notification - If a COM is not used.
- 21 Recordkeeping requirements.
- 22 Excess emissions report.
- 23 Facility files for subject sources.
- 24 Performance testing timeline.
- 25 Performance test methods.
- 26 Required performance test information.
- 27 Prior notice.
- 28 Opacity standard compliance testing.
- 29 Compliance with Standards and Maintenance Requirements
- 30 Compliance with Standards and Maintenance Requirements
- 31 Compliance with Standards and maintenance requirements.
- 32 Compliance with standards and maintenance requirements.
- 33 Circumvention.
- 34 Reconstruction
- 35 General Notification and reporting requirements
- 36 §61.05(a) - Preconstruction Review
- 37 §61.12(a) - Compliance with numerical standards and maintenance requirements
- 38 Circumvention
- 39 Standard for demolition and renovation
- 40 Standard for waste disposal for demolition and renovation operations
- 41 Air-cleaning for Demolition and Renovation

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- 42 Compliance Certification
- 43 Pharmaceutical MACT Existing Source Compliance
- 44 Accidental release provisions.
- 45 Recycling and Emissions Reduction
- Emission Unit Level**
- 46 Emission Point Definition By Emission Unit
- 47 Process Definition By Emission Unit
- 48 Compliance Certification (EU=1-CMBUS)
- 49 Compliance Certification (EU=1-CMBUS,Proc=C31,ES=17001)
- 50 Compliance Certification (EU=1-CMBUS,Proc=C32)
- 51 Compliance Certification (EU=1-CMBUS,Proc=C32)
- 52 Compliance Certification (EU=1-CMBUS,Proc=C32,ES=17001)
- 53 Compliance Certification (EU=1-CMBUS,Proc=C33,ES=17002)
- 54 Compliance Certification (EU=1-CMBUS,Proc=C34)
- 55 Fuel Sulfur Limitation
- 56 Compliance Certification (EU=1-CMBUS,Proc=C34)
- 57 Compliance Certification (EU=1-CMBUS,Proc=C34)
- 58 Compliance Certification (EU=1-CMBUS,Proc=C34)
- 59 Compliance Certification (EU=1-CMBUS,Proc=C34,ES=17002)
- 60 Compliance Certification (EU=1-CMBUS,Proc=C34,ES=17002)
- 61 Compliance Certification (EU=1-CMBUS,Proc=C35,ES=17000)
- 62 Compliance Certification (EU=1-CMBUS,Proc=C36)
- 63 Compliance Certification (EU=1-CMBUS,Proc=C36)
- 64 Fuel Sulfur Limitation
- 65 Compliance Certification (EU=1-CMBUS,Proc=C36)
- 66 Compliance Certification (EU=1-CMBUS,Proc=C36,ES=17000)
- 67 Compliance Certification (EU=1-CMBUS,Proc=C36,ES=17000)
- 68 Compliance Certification (EU=1-CMBUS,Proc=C36,ES=17000)
- 69 Compliance Certification (EU=1-CMBUS,Proc=C36,ES=17000)
- 70 Compliance Certification (EU=1-CMBUS,Proc=C37,ES=17003)
- 71 Abatement
- 72 Compliance Certification (EU=1-CMBUS,Proc=C38,ES=23001)
- 73 Compliance Certification (EU=1-CMBUS,Proc=C39)
- 74 Compliance Certification (EU=1-CMBUS,Proc=C39)
- 75 Compliance Certification (EU=1-CMBUS,Proc=C39,ES=21000)
- 76 Compliance Certification (EU=1-CMBUS,Proc=C40,ES=PT000)
- 77 Compliance Certification (EU=1-CMBUS,EP=00006)
- 78 Compliance Certification (EU=1-CMBUS,EP=00006)
- 79 Compliance Certification (EU=1-CMBUS,EP=02004)
- 80 Compliance Certification (EU=1-CMBUS,EP=02008)
- 81 Compliance Certification (EU=1-CMBUS,EP=02009)
- 82 Compliance Certification (EU=1-CMBUS,EP=02009)
- 83 Compliance Certification (EU=1-CMBUS,EP=020S6)
- 84 Compliance Certification (EU=1-CMBUS,EP=020T6)
- 85 Compliance Certification (EU=1-CMBUS,EP=20201)
- 86 Compliance Certification (EU=1-CMBUS,EP=20202)
- 87 Recordkeeping - Part 233.5(a)
- 88 Recordkeeping for leaks - Part 233.5(b)



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- 89 Equipment Leaks Applicability and Overlap with Other Rules
- 90 General Leak Standards
- 91 General standards - identification of equipment
- 92 General standards - Detection of leaks in pumps, connectors, closed vent systems and control devices, agitators, and compressors
- 93 General standards - detection of leaks in valves
- 94 Pumps in light liquid service - exemptions
- 95 Compliance Certification (EU=U-BMS01)
- 96 Compliance Certification (EU=U-BMS01)
- 97 Compliance Certification (EU=U-BMS01)
- 98 Compliance Certification (EU=U-BMS01)
- 99 Compliance Certification (EU=U-BMS01)
- 100 Compliance Certification (EU=U-BMS01)
- 101 Pumps in light liquid service - percent leaking pumps calculation
- 102 Compliance Certification (EU=U-BMS01)
- 103 Pumps in light liquid service - unsafe to monitor pumps
- 104 Compliance Certification (EU=U-BMS01)
- 105 Pressure relief devices in gas/vapor service - exemptions
- 106 Compliance Certification (EU=U-BMS01)
- 107 Sampling connection systems standards
- 108 Open-ended valves or lines standards
- 109 Compliance Certification (EU=U-BMS01)
- 110 Standards for open-ended valves with double block and bleed system
- 111 Standards for open-ended valves/lines during emergency shutdown
- 112 Open-ended valves or lines - exemption
- 113 Compliance Certification (EU=U-BMS01)
- 114 Valves in gas/vapor service and light liquid service - repair of leaks
- 115 Standards for valves in gas/vapor and light liquid service
 - unsafe-to-monitor valves
- 116 Standards for valves in gas/vapor and light liquid service
 - difficult-to-monitor valves
- 117 Compliance Certification (EU=U-BMS01)
- 118 Compliance Certification (EU=U-BMS01)
- 119 Delay of repair - general
- 120 Delay of repair for isolated equipment
- 121 Delay of repair - valves, connectors, and agitators
- 122 Delay of repair - pumps
- 123 Delay of repair beyond process unit shutdown
- 124 Compliance Certification (EU=U-BMS01)
- 125 Compliance Certification (EU=U-BMS01)
- 126 Compliance Certification (EU=U-BMS01)
- 127 Connectors in gas/vapor or light liquid service - provisions for sealed connectors
- 128 Connectors in gas/vapor or light liquid service - screwed connectors
- 129 Connectors in gas/vapor or light liquid service - unsafe-to-monitor
- 130 Connectors in gas/vapor or light liquid service - unsafe-to-repair
- 131 Connectors in gas/vapor or light liquid service -

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- inaccessible or ceramic connectors
- 132 Compliance Certification (EU=U-BMS01)
- 133 Compliance Certification (EU=U-BMS01)
- 134 Compliance Certification (EU=U-BMS01)
- 135 Compliance Certification (EU=U-BMS01)
- 136 Compliance Certification (EU=U-BMS01)
- 137 General recordkeeping requirements
- 138 Compliance Certification (EU=U-BMS01)
- 139 Compliance Certification (EU=U-BMS01)
- 140 Compliance Certification (EU=U-BMS01)
- 141 Compliance Certification (EU=U-BMS01)
- 142 Compliance Certification (EU=U-BMS01)
- 143 Compliance Certification (EU=U-BMS01)
- 144 Compliance Certification (EU=U-BMS01)
- 145 Reporting standards - general
- 146 Reporting requirements - periodic reports
- 147 Applicability of the Negotiated Regulation for Equipment Leaks
- 148 General Provisions for 40 CFR 63 Subpart I Sources
- 149 Compliance Certification (EU=U-BMS01)
- 150 Compliance Certification (EU=U-BMS01,Proc=001)
- 151 Compliance Certification (EU=U-BMS01,Proc=001)
- 152 In-process tank requirements
- 153 Compliance Certification (EU=U-BMS01,Proc=003)
- 154 Compliance Certification (EU=U-BMS01,Proc=003)
- 155 Sampling and Monitoring
- 156 Compliance Certification (EU=U-BMS01,Proc=004)
- 157 Compliance Certification (EU=U-BMS01,Proc=004)
- 158 Compliance Certification (EU=U-BMS01,Proc=004)
- 159 Compliance Certification (EU=U-BMS01,Proc=004)
- 160 Compliance Certification (EU=U-BMS01,Proc=004)
- 161 Centrifuge and filter requirements
- 162 Continuous monitor requirements - Part 233.4(e)
- 163 Continuous monitor requirements - Part 233.4(f)
- 164 Continuous monitor requirements - Part 233.4(g)
- 165 Testing and monitoring - test procedures = Part 233.4(b)
- 166 Testing and monitoring per Part 202-1 - Part 233.4(a)
- 167 Continuous monitors for air cleaning devices.
- 168 Storage tank requirements
- 169 Subpart Kb - Applicability of VOC Tanks constructed after
July 23, 1984
- 170 Subpart Kb - Applicability of tanks with capacity less
than 75 cubic meters.
- 171 Compliance Certification (EU=U-BMS01,Proc=006)
- 172 Records of the dimension and capacity of storage vessels
- 173 Storage tank requirements
- 174 Centrifuge and filter requirements
- 175 VOC transfer requirements
- 176 Continuous monitor requirements - Part 233.4(e)



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- 177 Continuous monitor requirements - Part 233.4(f)
- 178 Continuous monitor requirements - Part 233.4(g)
- 179 Testing and monitoring - test procedures = Part 233.4(b)
- 180 Testing and monitoring per Part 202-1 - Part 233.4(a)
- 181 Continuous monitors for air cleaning devices.
- 182 Compliance Certification (EU=U-BMS01,Proc=009)
- 183 Sampling and Monitoring
- 184 Compliance Certification (EU=U-BMS01,EP=20376,Proc=003,ES=14001)
- 185 Compliance Certification (EU=U-BMS01,EP=29175,Proc=003,ES=12039)
- 186 Recordkeeping for leaks - Part 233.5(b)
- 187 Storage tank requirements
- 188 Storage tank requirements
- 189 Compliance Certification (EU=U-TIL03,EP=20301)

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 190 Contaminant List
- 191 Unavoidable noncompliance and violations
- 192 Air pollution prohibited
- 193 Compliance Demonstration

Emission Unit Level

- 194 Compliance Demonstration
- 195 Continuous monitors for control equipment.
- 196 Emissions from new emission sources and/or modifications
- 197 Compliance Demonstration
- 198 Compliance Demonstration
- 199 Compliance Demonstration
- b200 Compliance Demonstration
 - 201 Compliance Demonstration
 - 202 Continuous monitors for control equipment.

Authorized Activity By Standard Industrial Classification Code:

2833 - MEDICINALS AND BOTANICALS

Permit Effective Date: 07/17/2002

Permit Expiration Date: 07/17/2007



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Sealing - 6NYCRR Part 200.5

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

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

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

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

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



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

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

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

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

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

n0 Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

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

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

Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



requirements, regulations, or law.

- Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.
- Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission**

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



a shorter time period in the case of an emergency.

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

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

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item AA: Open Fires - 6 NYCRR Part 215

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

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item CC: Federally Enforceable Requirements - 40 CFR 70.6(b)

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 1: Emission Unit Definition
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 1.1:

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

Emission Unit: 1-CMBUS

Emission Unit Description:

THIS EMISSION UNIT INCLUDES THE FACILITY'S BOILERS (NUMBERS 6, 8, 9 AND 4) BUILDING 32A INCINERATOR, WWTP BOILER, FLARE, AND EXEMPT EMERGENCY GENERATOR AND ENGINES.

Item 1.2:

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

Emission Unit: U-BMS01

Emission Unit Description:

THIS EMISSION UNIT CONTAINS MANY EMISSIONS POINTS IN VARIOUS LOCATIONS AT THE BRISTOL-MYERS SQUIBB COMPANY, SYRACUSE, NEW YORK FACILITY. THIS EMISSION UNIT REPRESENTS THE FOLLOWING PROCESSES; 001, 002, 003, 004, 005, 006, 007, 008, 009 AND 010.
BUILDING 9A , AMINOGLYCOSIDES
(B)

BUILDING 9B, AMINOGLYCOSIDES
(C)

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



BUILDING 9N, AMINOGLYCOSIDES (D) /
CHEMICAL INTERMEDIATES (A)

BUILDING 25, AMINOGLYCOSIDES (A)

BUILDING 75, ANTI-CANCER PILOT
PLANT

BUILDING 24A, BIO-CHEM PILOT PLANT

BUILDING 4B, CEPHALOSPORING EXTRACTION
/ CHEMICAL SERVICES (A)

BUILDING 9S CHEMICAL INTERMEDIATES
(B)

BUILDING 29 CHEMICAL INTERMEDIATES
(C)

BUILDING 52 CHEMICAL INTERMEDIATES
(D)

BUILDING 62 CHEMICAL INTERMEDIATES
(E)

BUILDING 13 CHEMICAL SERVICES
(B)

BUILDING 8 FERMENTATION

BUILDING 25S ORGANIC SYNTHESIS PILOT
PLANT

BUILDING 25N ORGANIC SYNTHESIS PILOT
PLANT

BUILDING 1 PEN V EXTRACTION

Building(s): 1
13
20A
21
24A
25
25N



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

25S
29
4
4A
4B
52
62
64
75
8
9A
9B
9N
9S

Item 1.3:

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

Emission Unit: U-TIL03

Emission Unit Description:

This emission unit is contained in buildings 4B, 17, 24A, 63, 75, 201, 202 and 203 and it includes emission points: 24A25, 20301, 34004, 34003, 4BBS1, 4BBS2, 75006 and 75007. The associated processes are indentified as: M05, M07, UO7 and U15.

Building(s): 17
201
202
203
24A
4B
63
75

**Condition 2: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 6NYCRR 201-6.5(c)

Item 2.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 3: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 3.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 4: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If any of the above conditions are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) through (4) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 5: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
 - and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

0 The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(f)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BRISTOL - MYERS SQUIBB
OPERATIONAL FLEXIBILITY PLAN

I. INTRODUCTION

This operational flexibility plan is proposed in accordance with the provisions of Title 6 of the New York Code of Rules and Regulations (6 NYCRR) Part 201-6.5(f) "Operational Flexibility". The plan describes the Bristol-Myers Squibb Company (BMS) facility's proposal regarding a streamlined approach to emissions source changes. Under this plan, following NYSDEC approval, BMS will be able to make specific emissions source changes without invoking the permit modification provisions of 6 NYCRR Part 201-6.7. This plan has been prepared in consideration of the:

- New York State Department of Environmental Conservation's (NYSDEC's) Draft Policy dated 2/16/01 entitled: Operational Flexibility in Air Operating Permits and Registrations Issued Under Part 201; and
- U.S. Environmental Protection Agency's draft guidance dated 8/7/00 entitled Design of Flexible Air Permits, Operating Permits Program White Paper Number 3.

Under this Plan, BMS will be allowed to make changes described in the Plan without a permit modification. It is designed to address all activities at the BMS Syracuse facility. The plan has the following major components:

- Emission Unit Structure;
- Alternate Operating Scenarios; and
- Protocol for Change.

Each component is described in detail in the following sections.

II. EMISSIONS UNIT STRUCTURE

The foundation of the Plan is the Title V permit application's emissions unit/process structure. The application includes numerous processes that are each

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



subject to distinct regulatory requirements. By defining processes in terms of common applicable requirements, BMS has attempted to establish permit terms for a variety of operating scenarios. As a result, the Title V Permit will accommodate many source changes since the permit terms applicable to each operating condition will have already been included.

Any changes which trigger the requirement for capping an emission source to below the major source will require a permit modification.

In the application, manufacturing emissions sources have been included in a single emissions unit (Unit No. UBMS01). Support operations are addressed by two additional emissions units (Unit No. UTIL03, and 1-CMBUS).

In the event of a change that cannot be addressed by this Operational Flexibility Plan, BMS will submit an application to modify its Title V Permit. Consistent with BMS's planning discussions with NYSDEC, a modification application addressing any activities included in the single manufacturing emissions unit will include only those portions of the emissions unit application forms that provide information about the specific process and/or equipment affected by the change. Application forms addressing the entire UBMS01 manufacturing unit will not need to be resubmitted. This is an important point of clarification between BMS and NYSDEC, and was integral to BMS's decision to maintain a single manufacturing emission unit. The magnitude of the modification application package that would otherwise need to be submitted for a change not covered by this Plan would be considered administratively prohibitive.

To facilitate management of the facility's manufacturing emissions sources and their respective applicable requirements, the sources have been grouped into ten specific processes. The sources have been grouped into processes that are subject to distinct regulatory requirements. Manufacturing processes include:

001 Equipment standards for in-process tanks with Volatile Organic Compound (VOC) emissions and are subject to the following applicable Federal requirements including 6 NYCRR Part 233 Sub-sections 233.3(f); 233.3(g), and 233.5(b);

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



002 Reactors, extractors, crystallizers, centrifuges, distillation operations, and vacuum dryers with an Emission Rate Potential (ERP) less than 15 lbs per day (Exempt from Part 233);

003 Equipment with particulate emissions subject to the Part 212 grain standard and are subject to the following applicable Federal requirements including 6 NYCRR Part 212 Sub-sections 212.4(c), 212.6, and 212.11;

004 Reactors, extractors, crystallizers, centrifuges, distillation operations, and vacuum dryers with an ERP greater than 15 lbs per day, and air dryers and production equipment exhaust with an ERP greater than 33 lbs per day requiring emissions control and are subject to the following applicable Federal requirements including 6 NYCRR Part 233 Sub-sections 233.3(a), 233.3(b), 233.3(e), 233.3(g), 233.4, and 233.5;

005 Equipment with no source-specific federal applicable requirements (this process includes emission sources subject to Part 212, Table 2 with ERPs less than the "Degree of Air Cleaning Required" thresholds and are subject to the following applicable State-Only requirement of 6 NYCRR Part 212.4(a);

006 Storage tanks subject to 40 CFR Part 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels and are subject to the following applicable Federal requirements including 6 NYCRR Part 233 Sub-sections 233.3(d), 233.3(g), 233.5(b), and 40 CFR 60 Subpart Kb Subsections 60.110b(a), 60.110b(b), 60.116b(a), and 60.116b(b);

007 Storage tanks and filters subject to the equipment standards specified in Part 233.3(d) and (e), respectively and are subject to the following applicable Federal requirements including 6 NYCRR Part 233 Sub-sections 233.3(d), 233.3(e), 233.3(g), and 233.5(b);

008 VOC solvent transfer operations subject to Part 233.3(c) and are subject to the following applicable Federal requirements including 6 NYCRR Part 233 Sub-sections 233.3(c), 233.3(g), 233.4, and 233.5;

009 Solvent recovery operations and are subject to the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



following applicable Federal requirements including 40 CFR63 Subpart F Sub-section 63.103(e); and

010 Sources subject to Part 212, Table 2 with ERPs greater than the "Degree of Air Cleaning Required" thresholds and are subject to the following applicable State-Only requirements including 6 NYCRR Part 212 Sub-sections 212.4(a) and 212.11.

Each emissions source has been associated with the process that describes its current applicable regulatory requirements. Additionally, emissions sources have been associated with alternate processes that could apply if the sources change in a manner that would result in the applicability of the requirements that govern the alternate process. The attached table entitled Emission Unit Matrix, identifies the sources associated with each process. Each source has an operating scenario designation of "1" or "2". Operating scenario "1" represents a current operating scenario, and "2" represents an alternate scenario. The process of managing the implementation of alternate operating scenarios is described in the condition for 6NYCRR Part 201-6.5(f)(1), contained elsewhere in this permit.

A single manufacturing emission unit approach has been used to facilitate integration of the Pharmaceutical Maximum Achievable Control Technology (MACT) standard codified at 40 Code of Federal Regulations (CFR) Part 63, Subpart GGG. The current definition of process in the MACT standard is broader than the typical organization of sources at a bulk pharmaceutical facility. The creation of multiple manufacturing emissions units at the facility would be incompatible with the MACT standard's requirement to demonstrate compliance across broad groups of emissions sources. The use of a single manufacturing emissions unit will allow BMS to demonstrate compliance with the MACT standard affected processes across the facility while allowing maximum operational flexibility under Part 201. The Pharmaceutical MACT standard is cited in this BMS Title V application at the facility-level as 40 CFR Part 63, Subpart GGG.

Facilities are required to include sufficient permit terms and conditions in their Title V Permits to assure compliance with Subpart GGG by the time of the standard's compliance date (21 October 2002). BMS is in the process of assessing compliance approach options for Subpart GGG,

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



and will be submitting a "Pre-compliance Report" by 21 April 2002 consistent with 40 CFR Part 63.1260. Assuming that the BMS Title V Permit will be issued prior to the MACT compliance date 21 October 2002, BMS will need to modify its Title V Permit to incorporate specific MACT requirements. To ensure that the Title V Permit is modified to include specific MACT permit terms BMS anticipates submitting a Title V modification application by approximately March 2003. This modification will include an expansion of the BMS Operational Flexibility Plan to accommodate the management of change under Subpart GGG.

Future integration of the Pharmaceutical MACT standard will require the development of additional process groups that will include emission sources that are currently associated with one or more of the above referenced processes. Emission sources represented in more than one process typically indicate mutually exclusive operating scenarios. In other words, the source is either subject to the regulatory requirements governing the first process or by the second process. Integration of the MACT standard, and management of other applicable requirements at BMS, requires that sources be identified in processes that are not mutually exclusive. Consistent with BMS's discussions with NYSDEC, it will be acceptable to identify sources in multiple processes that apply concurrently, provided that the regulatory requirements cited for the processes do not conflict with each other.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 7: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(1)

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALTERNATE OPERATING SCENARIOS

BMS is requesting NYSDEC's pre-approval of select emissions source modifications and therefore has included alternate operating scenarios (AOSs) in the emissions unit structure. In most cases the AOSs consist of sources listed in processes with regulatory requirements that do not currently apply, but which may apply in the future. As described above, the attached emission unit matrix identifies sources in each process with an operating scenario designation of "1" or "2". Operating scenario "1" represents a current operating scenario, and "2" represents an alternate scenario.

There are, in practice, two types of AOSs. The first can be accomplished without case specific NYSDEC notification, and the second requires the submittal of an advance notification with specific documentation. Each type of AOS is described as follows.

AOSs Without Advance Notification Requirements

Certain changes are inherently accommodated by the emissions unit and process structure and are not expected to require detailed technical review or advanced notification. For example, equipment that is sometimes used as a reactor, and sometimes used as an "in-process" tank may be identified in Processes Nos. 4 and 1, respectively. Since the equipment may be used in either capacity without modification, BMS expects to be permitted to change the equipment's use without any case-specific NYSDEC approval or notification. BMS will maintain documentation of the equipment's use to facilitate understanding of which process it is operating under, and which regulations apply.

AOSs With Advance Notification Requirements

Other changes may involve an emission increase and require a more rigorous review. For example: a reactor that currently has a VOC ERP of less than 15 lbs per day is identified in Process No. 2 as its primary process. It could also be identified in Process No. 4 as a secondary process (an AOS) to facilitate operational flexibility in the event that the source undergoes a modification in the

i0

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



future that would cause its VOC ERP to exceed 15 lbs per day. By associating the reactor with Process No. 4 as a future operating scenario, BMS expects to be permitted to modify the reactor by completing specific technical review procedure and by providing NYSDEC with a fifteen-day advance notification that includes documentation of its review process.

Figure 1, entitled AOS Review Process, defines BMS's replicable operating procedure for assessing each AOS to determine the level of technical review necessary, and for determining if advanced NYSDEC notification is required. The "Compliance Certification" section of the application forms for sources in operating scenario "2" (an AOS) currently have a monitoring designation of "Record-keeping/Maintenance Procedures" and a generic monitoring description that reads as follows:

This emission source, point or process is permitted as an alternate operating scenario. Prior to initiation of this scenario BMS will submit a 15-day pre-notification containing information required per the Operational Flexibility Plan.

In the event that AOS Review Process results in a requirement to submit a case specific compliance demonstration monitoring approach for a control device, BMS will select one of the compliance monitoring options presented in Table 1. Identification of the compliance demonstration option selected, along with specific monitoring parameter limits will be submitted as a component of the 15-day advance notification as identified in Figure 1.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 8: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(f)(2)

Item 8.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



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

Item 8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

PROTOCOL FOR CHANGE (SECTION IV OF OPF)

The Protocol for change is approved by NYSDEC. The protocol addresses select unforeseen changes, that would be considered "modifications". The following will be addressed by BMS:

an increase in the emission rate or concentration of a contaminant (Part 200 modification) in a manner that does not violate or change any applicable requirements;

use of production materials that may result in the emission of air contaminants that were not "previously authorized".

relocation of emission source equipment, control devices, and emission points within the facility;

installation or alteration of air pollution control devices; and

installation of new emissions sources.

BMS will review each emission source modification, and new source installation using the BMS Protocol for Change criteria. Modifications and new source installations that fully comply with the presented criteria are considered acceptable without further NYSDEC review or authorization.

Consistent with Part 201-6.5(f), changes made pursuant to an approved protocol are not subject to the provisions of Part 201-6.7 - Permit Renewal and Modifications.

BMS Protocol for Change Self Assessment

BMS will evaluate the above listed Protocol for changes as follows:

1. Federally enforceable conditions are established in the Title V permit to address the requirements that are

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



applicable to the new emissions source or modification.

2. The new emission source or modification will comply with all applicable requirements and any Title V permit conditions.

p0

3. The new source or modification will comply with separate State Toxics review criteria that is presented in Figure 2.

4. The new source or modification will not trigger major New Source Review program applicability under 6 NYCRR Part 231-2 or 40 CFR Part 52.21. Specifically, for VOC and NOx the project emission potential will not exceed the below listed significance thresholds. For all other pollutants, the new source or modification will not result in a significant net emissions increase that exceeds the following thresholds:

40CFR Part 52.21, Carbon Monoxide: 100 tons per year(TPY); Nitrogen Oxides: 40 ton TPY; Sulfur Dioxide 40 TPY; Particulate matter: 25 TPY of particulate matter emissions; 15 TPY of PM 10 emissions; Ozone: 40 TPY of volatile organic compounds; Lead 0.6 TPY; Asbestos: 0.007 TPY; Beryllium 0.0004 TPY; Mercury: 0.1 TPY; Vinyl chloride: 1 TPY; Fluorides: 3 TPY; Sulfuric acid mist: 7 TPY; Hydrogen Sulfide (H2S) 10 TPY; Total reduced sulfur (including H2S): 10 TPY; Reduced sulfur compounds (including H2S): 10 TPY.

6 NYCRR Part 231-2, Volatile Organic Compounds: 40 TPY; Nitrogen Oxides: 40 TPY.

5. BMS will document its assessment of each new source or modification reviewed under this criteria. The documentation will include the following components:

identification of the Title V Permit emission unit and process(es) under which the new or modified emissions source will be covered;

documentation of BMS's evaluation of the source's compliance status with respect to all applicable requirements;

if appropriate, the identification of an emissions



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

control technology and compliance certification approach from Table 1 of the OFP;

documentation of source's conformance with NYSDEC approved State Air Toxics review criteria; and

documentation that the source does not trigger major New Source Review program applicability.

6. BMS will notify NYSDEC of all new source installations or modifications reviewed under this criteria 30 days prior to initiation of installation or modification activities. The notification will include the documentation developed consistent with criteria specified in item No. 5 of the protocol.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 9: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Item 9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 10: Recordkeeping requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 10.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 11: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 226.2

Item 11.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner/operator shall not conduct solvent cleaning unless:

1. Solvent is stored in covered containers and waste solvent is transferred or disposed on in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
2. Equipment used in solvent metal cleaning is maintained to minimize leaks and fugitive emissions.
3. Equipment used in solvent cleaning displays a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



4. Equipment covers are closed when the solvent metal cleaning unit is not in service.

5. A record of solvent consumption shall be maintained for each year. Summaries of solvent consumption shall be included in the semi-annual monitoring reports.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 12: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 226.3(a)

Item 12.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following are required by a source owner conducting solvent metal cold cleaning degreasing:

(1) A cover shall be provided which can be operated easily.

(2) The drainage facility shall be internal (under cover).

(3) Only solvents with a vapor pressure less than 33mm Hg at 38 degrees C (100 degrees F) shall be used in the cleaning degreaser.

(4) Solvents shall not be heated above 50 degrees C (120 degrees F).

The facility shall maintain records of solvent vapor



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

pressure for all solvents used in the cleaning degreaser.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 13: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 226.4(a)

Item 13.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following operating practices are required by a source owner conducting solvent metal cold cleaning degreasing:

(1) Clean parts shall be drained at least 15 seconds or until dripping ceases.

A sign shall be posted near the cleaning degreaser to inform operators of this operating requirement.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 14: RACT
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 226.5

Item 14.1:

Where it can be shown to the satisfaction of the commissioner that a solvent metal cleaning process cannot



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

be controlled to comply with sections 226.2, 226.3, and 226.4 of this Part for reasons of technological and economic feasibility, the commissioner may accept a less degree of control upon submission of satisfactory evidence that the source owner has applied reasonably available control technology and has a plan to develop the technologies necessary to comply with the aforementioned sections. Such evidence shall be submitted with the renewal application for a certificate to operate for and existing source under provisions of Part 201 of the Subchapter.

Condition 15: Contents of operating plans.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.3(g)

Item 15.1:

Operating Plan: any owner or operator of a facility subject to this section must submit to the department, with the application(s) for certificate(s) to operate submitted according to subdivision (d) of this section, an operating plan, including an operating manual, acceptable to the department. This should at a minimum include:

- (1) A summary of the applicable standards and requirements of this Subpart and how this facility will comply, including any system averaging and any higher specific unit emission rates that may apply;
- (2) A description of the combustion process, including the procedures for the control of NOx emissions;
- (3) Procedures for monitoring unit operating parameters;
- (4) Procedures for ash handling;
- (5) Procedures for monitoring emissions;
- (6) Reporting and recordkeeping procedures; and,
- (7) The name and title of operating personnel and, if applicable, their qualifications (e.g., licenses, certificates, education, training courses completed).

Condition 16: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)(1)

Item 16.1:

The Compliance Certification activity will be performed for the Facility.

Item 16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit a compliance test



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

protocol to the Department for approval at least 90 days prior to emission testing. The conditions of the testing and locations of the sampling devices must be acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 17: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(g)

Item 17.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-BMS01

Process: 001

Emission Unit: U-BMS01

Process: 004

Emission Unit: U-BMS01

Process: 006

Emission Unit: U-BMS01

Process: 007

Emission Unit: U-BMS01

Process: 008

Emission Unit: U-TIL03

Process: M07

Emission Unit: U-TIL03

Process: U07

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All leaks from which a liquid containing volatile organic

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



compounds can be observed running or dripping must be repaired the first time the equipment is off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted. Observed leaks shall be logged and records of repair procedures shall be maintained that document these leak repair requirements.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 18: Facility Permissible Emissions
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 18.1:

The sum of emissions from the emission units specified in this permit shall not exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 PTE: 266,800 pounds per year
Name: OXIDES OF NITROGEN

Condition 19: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 19.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 19.2:

Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Description:

TOTAL FACILITY OXIDES OF NITROGEN (NO_x) EMISSIONS SHALL BE LESS THAN 133.4 TONS PER YEAR (BASELINE + 40 TPY). COMPLIANCE SHALL BE DEMONSTRATED BY RECORDING FUEL USE DATA AND APPLYING DEPARTMENT APPROVED EMISSION FACTORS. THIS FACILITY WIDE CAP SHALL BECOME EFFECTIVE UPON COMPLETION OF ALL REQUIRED NO_x RACT STACK TESTING AND APPROVAL BY THE DEPARTMENT OF THE NO_x RACT STACK TEST REPORTS. UNTIL THAT TIME, THE FACILITY IS LIMITED TO LESS THAN 100 TONS/YEAR OF NO_x EMISSIONS USING CURRENTLY APPROVED EMISSION FACTORS AND FUEL USE MONITORING AND THE REQUIREMENTS FOR NO_x RACT OF 6 NYCRR 227-2 SHALL NOT APPLY.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 133.4 tons per year

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

**Condition 20: Date of construction notification - If a COM is not used.
Effective between the dates of 07/17/2002 and 07/17/2007**

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

Item 20.1:

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

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

regarding the change;

5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;

6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

Condition 21: Recordkeeping requirements.
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 21.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 22: Excess emissions report.
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 22.1:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Condition 23: Facility files for subject sources.
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 23.1:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 24: Performance testing timeline.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 24.1:

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

Condition 25: Performance test methods.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 25.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the Administrator.

Condition 26: Required performance test information.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 26.1:

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

Condition 27: Prior notice.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 27.1:

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

Condition 28: Opacity standard compliance testing.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 28.1:

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

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60 (or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

**Condition 29: Compliance with Standards and Maintenance Requirements
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 60.11(a), NSPS Subpart A

Item 29.1:

Compliance with standards in 40 CFR Part 60, other than opacity standards, shall be determined in accordance with performance tests established by section 60.8 of 40 CFR Part 60 unless otherwise specified in the applicable standard.

**Condition 30: Compliance with Standards and Maintenance Requirements
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 30.1:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**Condition 31: Compliance with Standards and maintenance requirements.
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 60.11(f), NSPS Subpart A

Item 31.1:

Special provisions set forth under an applicable subpart shall supersede any conflicting provisions in the paragraphs (a) through (e) of this section.

**Condition 32: Compliance with standards and maintenance requirements.
Effective between the dates of 07/17/2002 and 07/17/2007**



Applicable Federal Requirement: 40CFR 60.11(g), NSPS Subpart A

Item 32.1:

This facility is subject to the requirements of 40 CFR 60.11(g). For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

Condition 33: Circumvention.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 33.1:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 34: Reconstruction

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A

Item 34.1:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 35: General Notification and reporting requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.19, NSPS Subpart A

Item 35.1:

This facility is subject to the terms and conditions of 40CFR 60 Subpart A §60.19.

Condition 36: §61.05(a) - Preconstruction Review
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 61.05, NESHAP Subpart A

Item 36.1:

After the effective date of any standard, no owner or operator shall construct or modify any stationary source subject to that standard without first obtaining written approval from the Administrator in accordance with this subpart.

Condition 37: §61.12(a) - Compliance with numerical standards and maintenance requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 61.12, NESHAP Subpart A

Item 37.1:

(a) Compliance with numerical emission limits shall be determined by emission tests established in §61.13 unless otherwise specified in an individual subpart.

(b) Compliance with design, equipment, work practice or operational standards shall be determined as specified in an individual subpart.

Condition 38: Circumvention
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 61.19, NESHAP Subpart A

Item 38.1:

No owner or operator shall build, erect, install, or use any article machine, equipment, process or method, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size.

Condition 39: Standard for demolition and renovation
Effective between the dates of 07/17/2002 and 07/17/2007

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Applicable Federal Requirement: 40CFR 61.145, NESHAP Subpart M

Item 39.1: General: The demolition and renovation provisions of 40 CFR 61, Subpart M, section 145, have not been delegated to the New York State Department of Environmental Conservation. The United States Environmental Protection Agency is responsible for implementation of the regulation and has a Memorandum of Understanding with the New York State Department of Labor which inspects demolition and renovation projects involving regulated asbestos containing material (RACM). The permittee shall comply with the demolition and renovation standards in 40 CFR §61.145, as applicable.

a) All of the requirements of 40 CFR §61.145(b), Notifications, and §61.145(c), Procedures for asbestos emission control, apply for demolition of a facility (as defined in §61.141) where the combined amount of RACM to be removed is:

- i) at least 80 linear meters on pipes or at least 15 square meters on other facility components, or
- ii) at least 1 cubic meter off facility components where the length or area could not be measured previously.

b) In a facility being demolished where the amount of RACM is less than the quantities above, only the notification requirements of paragraphs 61.145(b)(1), (2), (3)(i) and (iv), 4(i) through (vii), 4(ix), and 4(xvi) apply.

c) In a facility being renovated, all of the requirements of 40 CFR §61.145(b), Notifications, and §61.145(c), Procedures for asbestos emission control, apply if the combined amount of RACM to be stripped, removed, dislodged, cut, drilled, or similarly disturbed is:

- i) at least 80 linear meters on pipes or at least 15 square meters on other facility components, or
- ii) at least 1 cubic meter off facility components where the length or area could not be measured previously.
- iii) to determine whether this applies to planned renovation operations including individual nonscheduled operations, the permittee shall predict the combined additive amount of RACM to be removed or stripped during each calendar year.

Item 39.2: Notification requirements: The permittee shall provide the USEPA Administrator with written notice of the intention to demolish or renovate as outlined in 40 CFR §61.145(b). The notice must be postmarked or delivered at least 10 working days before asbestos stripping, removal, or demolition begins. For planned renovation as described in Item 39.1(c)(ii) above, the permittee shall submit the notice at least 10 working days before the end of the calendar year preceding the year for which notice is being given.

Item 39.3: Procedures for asbestos emission control: The permittee shall comply with all applicable procedures for removal of RACM in 40 CFR §61.145(c). The procedures require, among other things that:

a) All RACM shall be removed before demolition or renovation, except under certain cases specified in §61.145(c)(i) through (iv).

b) All RACM being removed or stripped shall be adequately wetted and shall remain wetted until collected and contained or treated in preparation for disposal in accordance with 61.150, except as



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

allowed in §61.145(c).

Condition 40: Standard for waste disposal for demolition and renovation operations

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 61.150, NESHAP Subpart M

Item 40.1:

The demolition and renovation provisions of 40 CFR 61, Subpart M, section 150, have not been delegated to the New York State Department of Environmental Conservation. The United States Environmental Protection Agency is responsible for implementation of the regulation and has a Memorandum of Understanding with the New York State Department of Labor which inspects demolition and renovation projects involving regulated asbestos containing material (RACM).

Item 40.2:

The permittee shall comply with the waste disposal standards in 40 CFR §61.150, as applicable.

- a) The permittee shall discharge no visible emissions to the outside air during the collection processing, packaging, or transporting of any asbestos-containing waste material generated by the source, or shall use one of the emission control and waste treatment methods specified in Subpart M paragraphs 61.150(a)(1) through (4).
- b) All asbestos-containing waste material shall be deposited as soon as is practical by the waste generator at a site described in paragraphs 61.150(b)(1) or (2).
- c) All vehicles used to transport asbestos-containing waste material during the loading and loading of waste must be marked so the signs are visible in conformance with §§61.149(d)(1)(i) through (iii).
- d) For all asbestos-containing waste material transported off the facility site the permittee shall:
 - i) Maintain waste shipment records using a form similar to that shown in Figure 4 of 40 CFR 61 Subpart M.
 - ii) Provide a copy of the waste shipment record to the disposal site owners or operators at the same time as the asbestos-containing waste material is delivered to the disposal site and follow-up as specified in §61.150(d)(3) and (4). The permittee shall report to the EPA Region 2 Office as necessary.
 - iii) Retain a copy of all waste shipment records, including a copy of the waste shipment record signed by the disposal site owner/operator, for at least two years.
- e) Furnish upon request and make available for inspection by the USEPA Administrator or designee all records required under §61.150.

Condition 41: Air-cleaning for Demolition and Renovation

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 61.152, NESHAP Subpart M

Item 41.1:

General: The demolition and renovation air-cleaning provisions of 40 CFR 61, Subpart M, section 152,



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

have not been delegated to the New York State Department of Environmental Conservation. The United States Environmental Protection Agency is responsible for implementation of the regulation and has a Memorandum of Understanding with the New York State Department of Labor which inspects demolition and renovation projects involving regulated asbestos containing material (RACM). The permittee shall comply with the demolition and renovation air-cleaning standards in 40 CFR §61.152, as applicable.

The owner or operator who uses air-cleaning to comply with the demolition and renovation provisions of 40 CFR 61, Subpart M, must do so in accordance with the provisions of 40 CFR §61.152.

Condition 42: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.168(j), Subpart H

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any equipment located at a plant site with fewer than 250 valves in organic HAP service is exempt from the requirements for monthly monitoring and a quality improvement program specified in paragraph (d)(1) of this section. Instead, the owner or operator shall monitor each valve in organic HAP service for leaks once each quarter, or comply with paragraph (d)(3) or (d) (4) of this section except as provided in paragraphs (h) and (i) of this section .

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 43: Pharmaceutical MACT Existing Source Compliance
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 43.1:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The source owner shall bring all sources affected by 40 CFR 63, Subpart GGG into compliance with the applicable provisions of the subpart by the compliance date(s) specified in §63.1250(f). To incorporate the methods of compliance chosen, parameters monitored, parameter ranges set, etc. into the permit, the source owner shall prepare and submit to NYSDEC an application to modify their Title V Facility Permit. This application will be considered a significant permit modification and shall be submitted at the same time as the Notice of Compliance Status required under §63.1260(f). All reports and/or notifications required by 40 CFR 63, Subpart GGG and/or 40 CFR 63, Subpart A (General Provisions) in the interim must be submitted as specified therein.

Condition 44: Accidental release provisions.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 68.

Item 44.1:

If a chemical is listed in Table 1 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

Condition 45: Recycling and Emissions Reduction
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 45.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

**** Emission Unit Level ****



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Condition 46: Emission Point Definition By Emission Unit
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 46.1:

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

Emission Unit: 1-CMBUS

Emission Point: 00006

Height (ft.): 53

Diameter (in.): 24

NYTMN (km.): 4768.722 NYTME (km.): 411.532 Building: 2

Emission Point: 02004

Height (ft.): 50

Diameter (in.): 42

Building: 2

Emission Point: 02008

Height (ft.): 70

Diameter (in.): 54

Building: 2

Emission Point: 02009

Height (ft.): 70

Diameter (in.): 60

Building: 2

Emission Point: 020S6

Height (ft.): 70

Diameter (in.): 60

Building: 2

Emission Point: 020T6

Height (ft.): 210

Diameter (in.): 72

Building: 2

Emission Point: 20201

Height (ft.): 42

Diameter (in.): 24

Building: 202

Emission Point: 20202

Height (ft.): 40

Diameter (in.): 60

Building: 202

Item 46.2:

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

Emission Unit: U-BMS01

Emission Point: 00T92



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 20	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 01001		
Height (ft.): 20	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01003		
Height (ft.): 67	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01008		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01009		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01010		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01011		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01012		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01013		
Height (ft.): 77	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 01016		
Height (ft.): 64	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 1
Emission Point: 02001		
Height (ft.): 43	Diameter (in.): 12	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 2
Emission Point: 04368		
Height (ft.): 73	Length (in.): 12	Width (in.): 16
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 09373		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 42 Diameter (in.): 11
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 9N

Emission Point: 0CHT7
Height (ft.): 14 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 0CHTX
Height (ft.): 5 Diameter (in.): 4
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 10010
Height (ft.): 26 Diameter (in.): 12
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13003
Height (ft.): 12 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13019
Height (ft.): 10 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13022
Height (ft.): 31 Diameter (in.): 6
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13026
Height (ft.): 25 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13043
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13044
Height (ft.): 20 Diameter (in.): 3
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13045
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13046
Height (ft.): 15 Diameter (in.): 6
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 13047



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 20	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 13048		
Height (ft.): 20	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 13049		
Height (ft.): 10	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 13050		
Height (ft.): 2	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 13051		
Height (ft.): 2	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 13052		
Height (ft.): 8	Diameter (in.): 2	Building: 4B
Emission Point: 13053		
Height (ft.): 73	Diameter (in.): 2	Building: 4B
Emission Point: 13054		
Height (ft.): 73	Diameter (in.): 2	Building: 4B
Emission Point: 13T20		
Height (ft.): 1	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 20376		
Height (ft.): 37	Diameter (in.): 8	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 203
Emission Point: 20A01		
Height (ft.): 43	Diameter (in.): 16	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 20A
Emission Point: 24001		
Height (ft.): 45	Diameter (in.): 10	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24177		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 45	Diameter (in.): 10	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A00		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A02		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A03		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A04		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A05		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A06		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A07		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A08		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A09		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A10		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A11		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A12		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A13		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A15		
Height (ft.): 39	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A16		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A17		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A18		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A23		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A24		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 24A26		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A27		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 24A28		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 24A
Emission Point: 25001		
Height (ft.): 47	Diameter (in.): 2	
NYTMN (km.): 4768.722	NYTME (km.): 411.532	
Emission Point: 25002		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 46 Diameter (in.): 2
NYTMN (km.): 4768.722 NYTME (km.): 411.532

Emission Point: 25005
Height (ft.): 35 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25007
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25008
Height (ft.): 35 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25009
Height (ft.): 15 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 25012
Height (ft.): 37 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25014
Height (ft.): 1 Diameter (in.): 3
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25015
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25016
Height (ft.): 12 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25020
Height (ft.): 34 Diameter (in.): 4
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 25021
Height (ft.): 36 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: 250T6
Height (ft.): 34 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 25

Emission Point: 250T9



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 34	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 25
Emission Point: 25168		
Height (ft.): 62	Diameter (in.): 72	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 25
Emission Point: 2516A		
Height (ft.): 62	Diameter (in.): 72	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 25
Emission Point: 25N00		
Height (ft.): 65	Diameter (in.): 10	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 25
Emission Point: 29175		
Height (ft.): 16	Diameter (in.): 11	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 29
Emission Point: 4A20A		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4A
Emission Point: 4B003		
Height (ft.): 95	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B008		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B011		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B016		
Height (ft.): 87	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B017		
Height (ft.): 87	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B018		
Height (ft.): 87	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B019		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B020		
Height (ft.): 14	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B021		
Height (ft.): 14	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B023		
Height (ft.): 73	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B024		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B025		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B0S1		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B12B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B22B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B23B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B24B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B26A		
Height (ft.): 75	Diameter (in.): 2	
		Building: 4B
Emission Point: 4B26B		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4B26C Height (ft.): 73	Diameter (in.): 2	Building: 4B
Emission Point: 4B27B Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4B28B Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4B29B Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4B30A Height (ft.): 40 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	
Emission Point: 4B40B Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4B79B Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4BACS Height (ft.): 520 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4BAFP Height (ft.): 58 NYTMN (km.): 4768.5	Length (in.): 36 NYTME (km.): 411.5	Width (in.): 48 Building: 4B
Emission Point: 4BBCC Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4BBCS f0 Height (ft.): 52 NYTMN (km.): 4768.5	Diameter (in.): 2 NYTME (km.): 411.5	Building: 4B
Emission Point: 4BCEN		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BCFP		
Height (ft.): 58	Length (in.): 48	Width (in.): 36
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BFSA		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BFSS		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BMEM		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BT1B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4BT3B		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 52003		
Height (ft.): 45	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 52004		
Height (ft.): 35	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 52006		
Height (ft.): 20	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	
Emission Point: 62001		
Height (ft.): 45	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 62
Emission Point: 64035		
Height (ft.): 38	Diameter (in.): 3	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64036		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64037			
	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64038			
	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64039			
	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64040			
	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 64041			
	Height (ft.): 20	Diameter (in.): 3	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64
Emission Point: 75001			
	Height (ft.): 21	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
Emission Point: 75002			
	Height (ft.): 21	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
Emission Point: 75003			
	Height (ft.): 21	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
s20 Emission Point: 75004			
	Height (ft.): 21	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
Emission Point: 75320			
	Height (ft.): 61	Diameter (in.): 24	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
Emission Point: 75321			
	Height (ft.): 61	Diameter (in.): 24	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 75
Emission Point: 80001			



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Height (ft.): 62	Diameter (in.): 53	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 8
Emission Point: 9768A		
Height (ft.): 50	Diameter (in.): 24	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9S
Emission Point: 9A001		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9A002		
Height (ft.): 43	Diameter (in.): 6	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9A007		
Height (ft.): 20	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9A008		
Height (ft.): 20	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9A009		
Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9A010		
Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9A
Emission Point: 9B003		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9B
Emission Point: 9N001		
Height (ft.): 14	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point: 9N002		
Height (ft.): 20	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point: 9N003		
Height (ft.): 46	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point: 9N004		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

	Height (ft.): 46	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N005		
	Height (ft.): 46	Diameter (in.): 6	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N006		
	Height (ft.): 21	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N007		
	Height (ft.): 40	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N008		
	Height (ft.): 42	Diameter (in.): 6	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N010		
	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N011		
	Height (ft.): 42	Diameter (in.): 4	
0	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N012		
	Height (ft.): 19	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9N013		
	Height (ft.): 25	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9N
Emission Point:	9S001		
	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9S
Emission Point:	9S002		
	Height (ft.): 30	Diameter (in.): 2	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9S
Emission Point:	9S005		
	Height (ft.): 15	Diameter (in.): 4	
	NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9S



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Point: 9S006			
Height (ft.): 42	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 9S	
Emission Point: CHT08			
Height (ft.): 26	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: CHT09			
Height (ft.): 21	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: CHT15			
Height (ft.): 17	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: E1279			
Height (ft.): 20	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: E1879			
Height (ft.): 20	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: E1979			
Height (ft.): 2	Diameter (in.): 25		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: E3179			
Height (ft.): 20	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: T0879			
Height (ft.): 30	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: T7000			
Height (ft.): 1	Diameter (in.): 4		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: VE179			
Height (ft.): 30	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: VE279			
Height (ft.): 30	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Point: VE379
Height (ft.): 20 Diameter (in.): 3
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: VST07
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: VST08
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4768.8 NYTME (km.): 411.5

Emission Point: VST09
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: VST10
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Item 46.3:

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

Emission Unit: U-TIL03

Emission Point: 20301
Height (ft.): 40 Diameter (in.): 30
Building: 203

Emission Point: 20801
Height (ft.): 44 Diameter (in.): 38
Building: 208

Emission Point: 24A25
Height (ft.): 12 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 24A

Emission Point: 34003
Height (ft.): 8 Diameter (in.): 2
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 63

Emission Point: 34004
Height (ft.): 8 Diameter (in.): 2
Building: 63

Emission Point: 4BBS1
Height (ft.): 1 Diameter (in.): 4
Building: 4B



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Point: 4BBS2			
Height (ft.): 2	Diameter (in.): 4		Building: 4B
Emission Point: 75006			
Height (ft.): 1	Diameter (in.): 4		Building: 75
Emission Point: 75007			
Height (ft.): 20	Diameter (in.): 8		Building: 75

Condition 47: Process Definition By Emission Unit
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 47.1:

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

Emission Unit: 1-CMBUS
Process: C31 Source Classification Code: 1-02-006-02

Process Description:
BOILER 6 IS A BABCOCK WILCOX UNIT RATED AT 98.0 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NATURAL GAS UNDER THIS PROCESS. ONLY PROCESS C31 OR PROCESS C32 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER. EMISSION POINT 020S6 (SHORT STACK) IS TYPICALLY USED DURING THIS PROCESS.

Emission Source/Control: 17001 - Combustion
Design Capacity: 98 million Btu per hour

Item 47.2:

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

Emission Unit: 1-CMBUS
Process: C32 Source Classification Code: 1-02-004-01

Process Description:
BOILER 6 IS A BABCOCK WILCOX UNIT RATED AT 98.0 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



FIRED WITH NO 6 FUEL OIL UNDER THIS PROCESS. ONLY PROCESS C32 OR PROCESS C31 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER. EMISSION POINT 020T6 (TALL STACK) USED DURING THIS PROCESS.

Emission Source/Control: 17001 - Combustion

Design Capacity: 98 million Btu per hour

Item 47.3:

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

Emission Unit: 1-CMBUS

Process: C33

Source Classification Code: 1-02-006-02

Process Description:

BOILER #8 IS A BABCOCK - WILCOX UNIT RATED AT 91.18 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NATURAL GAS UNDER THIS PROCESS. ONLY PROCESS C33 OR OR PROCESS C34 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER.

Emission Source/Control: 17002 - Combustion

Design Capacity: 91.8 million Btu per hour

Item 47.4:

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

Emission Unit: 1-CMBUS

Process: C34

Source Classification Code: 1-02-005-01

Process Description:

BOILER #8 IS A BABCOCK WILCOX UNIT RATED AT 91.18 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NO. 2 FUEL OIL UNDER THIS PROCESS. ONLY PROCESS C 34 OR PROCESS C33 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER.

Emission Source/Control: 17002 - Combustion

Design Capacity: 91.8 million Btu per hour

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 47.5:

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

Emission Unit: 1-CMBUS

Process: C35

Source Classification Code: 1-02-006-02

Process Description:

BOILER #9 IS A NEBRASKA UNIT RATED AT 97.64 MILLION BTU/HR MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NATURAL GAS UNDER THIS PROCESS. ONLY PROCESS C35 OR PROCESS C36 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER.

Emission Source/Control: 17000 - Combustion

Design Capacity: 97.64 million Btu per hour

Item 47.6:

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

Emission Unit: 1-CMBUS

Process: C36

Source Classification Code: 1-02-005-01

Process Description:

BOILER #9 IS A NEBRASKA UNIT RATED AT 97.64 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NO. 2 FUEL OIL UNDER THIS PROCESS. ONLY PROCESS C36 OR PROCESS C35 WILL BE OPERATED AT ANY TIME. THE BOILER IS EQUIPPED WITH DUAL FUEL LOW NOX BURNER.

Emission Source/Control: 17000 - Combustion

Design Capacity: 97.64 million Btu per hour

Item 47.7:

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

Emission Unit: 1-CMBUS

Process: C37

Source Classification Code: 1-02-006-02

Process Description:

BOILER #4 IS A PACKAGE UNIT RATED 29.0 MILLION BTU/HR. MAXIMUM HEAT INPUT. THE BOILER IS ONE OF THE PRIMARY SOURCES OF STEAM FOR THE FACILITY. THE BOILER IS FIRED WITH NATURAL GAS.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: 17003 - Combustion

Design Capacity: 29 million Btu per hour

Item 47.8:

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

Emission Unit: 1-CMBUS

Process: C38

Source Classification Code: 5-02-005-05

Process Description:

THIS PROCESS CONSISTS OF A 4.8 MILLION BTU/HR. (MAXIMUM FIRING RATE) NATURAL GAS FIRED INCINERATOR LOCATED IN BUILDING 32 A.

Emission Source/Control: 23001 - Incinerator

Design Capacity: 800 pounds per hour

Waste Feed Method: MANUAL DIRECT FEED

Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

Item 47.9:

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

Emission Unit: 1-CMBUS

Process: C39

Source Classification Code: 1-02-006-02

Process Description:

THIS PROCESS IS A BOILER RATED AT 20.9 MILLION BTU/HR. MAXIMUM FIRING RATE, LOCATED NEAR THE WWTP. THE BOILER IS OPERATED TO COMBUST BIOGAS FROM THE TREATMENT PLANT USING NATURAL GAS FOR CO FIRING. TYPICALLY, PROCESS C39 OPERATES INTERCHANGEABLY WITH PROCESS C40.

Emission Source/Control: 21000 - Combustion

Design Capacity: 20.9 million Btu per hour

Item 47.10:

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

Emission Unit: 1-CMBUS

Process: C40

Source Classification Code: 5-03-007-89

Process Description:

THIS PROCESS IS A FLARE RATED AT 20.9 MILLION BTU/HR. MAXIMUM FIRING RATE, LOCATED NEAR THE WWTP. THE FLARE IS OPERATED TO COMBUST BIOGAS FROM THE

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



TREATMENT PLANT USING NATURAL GAS FOR CO
FIRING. TYPICALLY, PROCESS C40 OPERATES
INTERCHANGEABLY WITH PROCESS C39.

Emission Source/Control: PT000 - Combustion
Design Capacity: 20.9 million Btu per hour

Item 47.11:

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

Emission Unit: U-BMS01

Process: 001

Source Classification Code: 3-01-060-99

Process Description:

Equipment standards for in-process tanks with VOC
emissions.

Emission Source/Control: AC000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI006 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI007 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI009 - Control

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI013 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI018 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI019 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI020 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI025 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: CI026 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS006 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: OS002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 10000 - Process

Emission Source/Control: 10001 - Process

Emission Source/Control: 10002 - Process

Emission Source/Control: 10003 - Process

Emission Source/Control: 10004 - Process

Emission Source/Control: 10005 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 10006 - Process
- Emission Source/Control: 10009 - Process
- Emission Source/Control: 10010 - Process
- Emission Source/Control: 10011 - Process
- Emission Source/Control: 10016 - Process
- Emission Source/Control: 10017 - Process
- Emission Source/Control: 10018 - Process
- Emission Source/Control: 10019 - Process
- Emission Source/Control: 10020 - Process
- Emission Source/Control: 10021 - Process
- Emission Source/Control: 10022 - Process
- Emission Source/Control: 10023 - Process
- Emission Source/Control: 10024 - Process
- Emission Source/Control: 10030 - Process
- Emission Source/Control: 10031 - Process
- Emission Source/Control: 10032 - Process
- Emission Source/Control: 10034 - Process
- Emission Source/Control: 10037 - Process
- Emission Source/Control: 10038 - Process
- Emission Source/Control: 10039 - Process
- Emission Source/Control: 10040 - Process
- Emission Source/Control: 11000 - Process
- Emission Source/Control: 11001 - Process
- Emission Source/Control: 11002 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 11004 - Process
- Emission Source/Control: 11005 - Process
- Emission Source/Control: 11006 - Process
- Emission Source/Control: 11007 - Process
- Emission Source/Control: 11008 - Process
- Emission Source/Control: 11010 - Process
- Emission Source/Control: 11022 - Process
- Emission Source/Control: 11023 - Process
- Emission Source/Control: 11025 - Process
- Emission Source/Control: 11026 - Process
- Emission Source/Control: 11027 - Process
- Emission Source/Control: 11028 - Process
- Emission Source/Control: 11029 - Process
- Emission Source/Control: 11030 - Process
- Emission Source/Control: 11031 - Process
- Emission Source/Control: 11034 - Process
- Emission Source/Control: 11035 - Process
- Emission Source/Control: 11042 - Process
- Emission Source/Control: 11043 - Process
- Emission Source/Control: 12000 - Process
- Emission Source/Control: 12001 - Process
- Emission Source/Control: 12002 - Process
- Emission Source/Control: 12003 - Process
- Emission Source/Control: 12004 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 12005 - Process
- Emission Source/Control: 12006 - Process
- Emission Source/Control: 12007 - Process
- Emission Source/Control: 12008 - Process
- Emission Source/Control: 12009 - Process
- Emission Source/Control: 12010 - Process
- Emission Source/Control: 12011 - Process
- Emission Source/Control: 12012 - Process
- Emission Source/Control: 12013 - Process
- Emission Source/Control: 12014 - Process
- Emission Source/Control: 12015 - Process
- Emission Source/Control: 12016 - Process
- Emission Source/Control: 12017 - Process
- Emission Source/Control: 12019 - Process
- Emission Source/Control: 12020 - Process
- Emission Source/Control: 12021 - Process
- Emission Source/Control: 12022 - Process
- Emission Source/Control: 12023 - Process
- Emission Source/Control: 12024 - Process
- Emission Source/Control: 12025 - Process
- Emission Source/Control: 12026 - Process
- Emission Source/Control: 12028 - Process
- Emission Source/Control: 12029 - Process
- Emission Source/Control: 12032 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 12035 - Process
- Emission Source/Control: 12036 - Process
- Emission Source/Control: 12037 - Process
- Emission Source/Control: 12038 - Process
- Emission Source/Control: 12047 - Process
- Emission Source/Control: 12054 - Process
- Emission Source/Control: 12056 - Process
- Emission Source/Control: 13001 - Process
- Emission Source/Control: 13008 - Process
- Emission Source/Control: 13010 - Process
- f0 Emission Source/Control: 13018 - Process
- Emission Source/Control: 13022 - Process
- Emission Source/Control: 13034 - Process
- Emission Source/Control: 13044 - Process
- Emission Source/Control: 13045 - Process
- Emission Source/Control: 13051 - Process
- Emission Source/Control: 13052 - Process
- Emission Source/Control: 13054 - Process
- Emission Source/Control: 13055 - Process
- Emission Source/Control: 13056 - Process
- Emission Source/Control: 13057 - Process
- Emission Source/Control: 15000 - Process
- Emission Source/Control: 15001 - Process
- Emission Source/Control: 15002 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 15003 - Process
- Emission Source/Control: 15004 - Process
- Emission Source/Control: 15005 - Process
- Emission Source/Control: 15006 - Process
- Emission Source/Control: 15007 - Process
- Emission Source/Control: 15013 - Process
- Emission Source/Control: 15017 - Process
- Emission Source/Control: 18004 - Process
- Emission Source/Control: 18005 - Process
- Emission Source/Control: 18006 - Process
- Emission Source/Control: 18007 - Process
- Emission Source/Control: 18008 - Process
- Emission Source/Control: 18010 - Process
- Emission Source/Control: 18011 - Process
- Emission Source/Control: 18012 - Process
- Emission Source/Control: 18013 - Process
- Emission Source/Control: 18014 - Process
- Emission Source/Control: 18015 - Process
- Emission Source/Control: 18016 - Process
- Emission Source/Control: 18017 - Process
- Emission Source/Control: 18018 - Process
- Emission Source/Control: 18019 - Process
- Emission Source/Control: 18020 - Process
- Emission Source/Control: 18021 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: 18022 - Process
Emission Source/Control: 18023 - Process
Emission Source/Control: 18024 - Process
Emission Source/Control: 18025 - Process
Emission Source/Control: 18026 - Process
Emission Source/Control: 18027 - Process
Emission Source/Control: 18028 - Process
Emission Source/Control: 18029 - Process
Emission Source/Control: 18030 - Process
Emission Source/Control: 18031 - Process
Emission Source/Control: 18032 - Process
Emission Source/Control: 19000 - Process
Emission Source/Control: 19001 - Process
Emission Source/Control: 19002 - Process
Emission Source/Control: 19025 - Process
Emission Source/Control: 19027 - Process
Emission Source/Control: 19042 - Process
Emission Source/Control: 19043 - Process
Emission Source/Control: 19044 - Process
Emission Source/Control: 19045 - Process
Emission Source/Control: 20000 - Process
Emission Source/Control: 20001 - Process
Emission Source/Control: 20002 - Process
Emission Source/Control: 20003 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 20004 - Process
- Emission Source/Control: 20005 - Process
- Emission Source/Control: 20006 - Process
- Emission Source/Control: 20010 - Process
- Emission Source/Control: 20033 - Process
- Emission Source/Control: 20034 - Process
- Emission Source/Control: 20035 - Process
- Emission Source/Control: 20036 - Process
- Emission Source/Control: 20037 - Process
- Emission Source/Control: 20038 - Process
- Emission Source/Control: 20039 - Process
- Emission Source/Control: 20040 - Process
- Emission Source/Control: 20041 - Process
- Emission Source/Control: 20042 - Process
- Emission Source/Control: 20043 - Process
- Emission Source/Control: 20044 - Process
- Emission Source/Control: 20045 - Process

Item 47.12:

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

Emission Unit: U-BMS01

Process: 002

Source Classification Code: 3-01-060-99

Process Description:

Reactors, extractors, crystallizers, centrifuges,
distillation operations and vacuum dryers with an ERP of
less than 15 lbs/day VOC are exempt from Part 233.

Emission Source/Control: AC000 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG010 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC012 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI009 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI013 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI022 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI025 - Control

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



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

Emission Source/Control: CS006 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CS034 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FE009 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS006 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 10012 - Process

Emission Source/Control: 10014 - Process

Emission Source/Control: 10015 - Process

Emission Source/Control: 10027 - Process

Emission Source/Control: 10041 - Process

Emission Source/Control: 10042 - Process

Emission Source/Control: 10046 - Process

Emission Source/Control: 11003 - Process

Emission Source/Control: 11009 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 11011 - Process
- Emission Source/Control: 11032 - Process
- Emission Source/Control: 11033 - Process
- Emission Source/Control: 11036 - Process
- Emission Source/Control: 11037 - Process
- Emission Source/Control: 11038 - Process
- Emission Source/Control: 11039 - Process
- Emission Source/Control: 11040 - Process
- Emission Source/Control: 12023 - Process
- Emission Source/Control: 12027 - Process
- Emission Source/Control: 12029 - Process
- Emission Source/Control: 12030 - Process
- Emission Source/Control: 12034 - Process
- Emission Source/Control: 12040 - Process
- Emission Source/Control: 12041 - Process
- Emission Source/Control: 12042 - Process
- Emission Source/Control: 12045 - Process
- Emission Source/Control: 12046 - Process
- Emission Source/Control: 12048 - Process
- Emission Source/Control: 12049 - Process
- Emission Source/Control: 12050 - Process
- Emission Source/Control: 12058 - Process
- Emission Source/Control: 13009 - Process
- Emission Source/Control: 13036 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 13037 - Process
- Emission Source/Control: 13048 - Process
- Emission Source/Control: 13049 - Process
- Emission Source/Control: 13050 - Process
- Emission Source/Control: 14009 - Process
- Emission Source/Control: 15008 - Process
- Emission Source/Control: 15009 - Process
- Emission Source/Control: 15010 - Process
- Emission Source/Control: 15011 - Process
- Emission Source/Control: 15012 - Process
- Emission Source/Control: 15014 - Process
- Emission Source/Control: 15016 - Process
- Emission Source/Control: 18033 - Process
- Emission Source/Control: 18034 - Process
- Emission Source/Control: 18035 - Process
- Emission Source/Control: 18036 - Process
- Emission Source/Control: 18037 - Process
- Emission Source/Control: 18038 - Process
- Emission Source/Control: 18039 - Process
- Emission Source/Control: 18040 - Process
- Emission Source/Control: 18041 - Process
- Emission Source/Control: 18042 - Process
- Emission Source/Control: 18043 - Process
- Emission Source/Control: 18044 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 18045 - Process
- Emission Source/Control: 18046 - Process
- Emission Source/Control: 18047 - Process
- Emission Source/Control: 18048 - Process
- Emission Source/Control: 18050 - Process
- Emission Source/Control: 18051 - Process
- Emission Source/Control: 18052 - Process
- Emission Source/Control: 19003 - Process
- Emission Source/Control: 19004 - Process
- Emission Source/Control: 19005 - Process
- Emission Source/Control: 19006 - Process
- Emission Source/Control: 19007 - Process
- Emission Source/Control: 19008 - Process
- Emission Source/Control: 19009 - Process
- f0Emission Source/Control: 19010 - Process
- Emission Source/Control: 19011 - Process
- Emission Source/Control: 19012 - Process
- Emission Source/Control: 19013 - Process
- Emission Source/Control: 19014 - Process
- Emission Source/Control: 19015 - Process
- Emission Source/Control: 19016 - Process
- Emission Source/Control: 19017 - Process
- Emission Source/Control: 19018 - Process
- Emission Source/Control: 19019 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 19020 - Process
- Emission Source/Control: 19021 - Process
- Emission Source/Control: 19022 - Process
- Emission Source/Control: 19023 - Process
- Emission Source/Control: 19024 - Process
- Emission Source/Control: 19028 - Process
- Emission Source/Control: 19029 - Process
- Emission Source/Control: 19030 - Process
- Emission Source/Control: 19031 - Process
- Emission Source/Control: 19032 - Process
- Emission Source/Control: 19033 - Process
- Emission Source/Control: 19034 - Process
- Emission Source/Control: 19035 - Process
- Emission Source/Control: 19036 - Process
- Emission Source/Control: 19037 - Process
- Emission Source/Control: 19038 - Process
- Emission Source/Control: 19039 - Process
- Emission Source/Control: 19040 - Process
- Emission Source/Control: 19041 - Process
- Emission Source/Control: 20007 - Process
- Emission Source/Control: 20008 - Process
- Emission Source/Control: 20011 - Process
- Emission Source/Control: 20012 - Process
- Emission Source/Control: 20013 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 20014 - Process
- Emission Source/Control: 20015 - Process
- Emission Source/Control: 20016 - Process
- Emission Source/Control: 20017 - Process
- Emission Source/Control: 20018 - Process
- Emission Source/Control: 20019 - Process
- Emission Source/Control: 20020 - Process
- Emission Source/Control: 20021 - Process
- Emission Source/Control: 20022 - Process
- Emission Source/Control: 20023 - Process
- Emission Source/Control: 20024 - Process
- Emission Source/Control: 20025 - Process
- Emission Source/Control: 20026 - Process
- Emission Source/Control: 20027 - Process
- Emission Source/Control: 20028 - Process
- Emission Source/Control: 20029 - Process
- Emission Source/Control: 20030 - Process
- Emission Source/Control: 20031 - Process
- Emission Source/Control: 20032 - Process
- Emission Source/Control: 20046 - Process
- Emission Source/Control: 20047 - Process
- Emission Source/Control: 20048 - Process
- Emission Source/Control: 20049 - Process
- Emission Source/Control: 20050 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: 20051 - Process

Emission Source/Control: 20052 - Process

Emission Source/Control: 20053 - Process

Emission Source/Control: 20054 - Process

Emission Source/Control: 20055 - Process

Item 47.13:

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

Emission Unit: U-BMS01

Process: 003

Source Classification Code: 3-01-060-99

Process Description:

Equipment with particulate emissions subject to the Part 212 grain standard.

Emission Source/Control: AG002 - Control

Control Type: WET SCRUBBER

Emission Source/Control: CI017 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FE005 - Control

Control Type: FABRIC FILTER

Emission Source/Control: FE007 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 12039 - Process

Emission Source/Control: 14001 - Process

Emission Source/Control: 14002 - Process

Emission Source/Control: 14008 - Process

Item 47.14:

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

Emission Unit: U-BMS01

Process: 004

Source Classification Code: 3-01-060-99

Process Description:

Emissions control required for reactors, extractors, crystallizers, centrifuges, distillation operations and vac dryers with ERP > 15 lbs VOC/day (+air dryers and

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



prod. equip. exhaust with ERP > 33 lb VOC/day) are subject to Part 233 control requirements.

Emission Source/Control: 0S007 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 0S008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG010 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC012 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI009 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI011 - Control
Control Type: REFRIGERATED CONDENSER



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: CI013 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI022 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI025 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: CS006 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CS034 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FE009 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS006 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 10012 - Process

Emission Source/Control: 10014 - Process

Emission Source/Control: 10015 - Process

Emission Source/Control: 10027 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 10041 - Process
- Emission Source/Control: 10042 - Process
- Emission Source/Control: 10046 - Process
- Emission Source/Control: 11003 - Process
- Emission Source/Control: 11009 - Process
- Emission Source/Control: 11011 - Process
- Emission Source/Control: 11032 - Process
- Emission Source/Control: 11033 - Process
- Emission Source/Control: 11036 - Process
- Emission Source/Control: 11037 - Process
- Emission Source/Control: 11038 - Process
- Emission Source/Control: 11039 - Process
- Emission Source/Control: 11040 - Process
- Emission Source/Control: 12023 - Process
- Emission Source/Control: 12027 - Process
- Emission Source/Control: 12029 - Process
- Emission Source/Control: 12030 - Process
- Emission Source/Control: 12034 - Process
- Emission Source/Control: 12040 - Process
- Emission Source/Control: 12041 - Process
- Emission Source/Control: 12042 - Process
- Emission Source/Control: 12045 - Process
- Emission Source/Control: 12046 - Process
- Emission Source/Control: 12048 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 12049 - Process
- Emission Source/Control: 12050 - Process
- Emission Source/Control: 12058 - Process
- Emission Source/Control: 13009 - Process
- Emission Source/Control: 13036 - Process
- Emission Source/Control: 13037 - Process
- Emission Source/Control: 13048 - Process
- Emission Source/Control: 13049 - Process
- Emission Source/Control: 13050 - Process
- Emission Source/Control: 14009 - Process
- Emission Source/Control: 15008 - Process
- Emission Source/Control: 15009 - Process
- Emission Source/Control: 15010 - Process
- Emission Source/Control: 15011 - Process
- Emission Source/Control: 15012 - Process
- Emission Source/Control: 15014 - Process
- Emission Source/Control: 15016 - Process
- Emission Source/Control: 18033 - Process
- Emission Source/Control: 18034 - Process
- Emission Source/Control: 18035 - Process
- Emission Source/Control: 18036 - Process
- Emission Source/Control: 18037 - Process
- Emission Source/Control: 18038 - Process
- Emission Source/Control: 18039 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 18040 - Process
- Emission Source/Control: 18041 - Process
- Emission Source/Control: 18042 - Process
- Emission Source/Control: 18043 - Process
- Emission Source/Control: 18044 - Process
- Emission Source/Control: 18045 - Process
- Emission Source/Control: 18046 - Process
- Emission Source/Control: 18047 - Process
- Emission Source/Control: 18048 - Process
- Emission Source/Control: 18050 - Process
- Emission Source/Control: 18051 - Process
- Emission Source/Control: 18052 - Process
- Emission Source/Control: 19003 - Process
- Emission Source/Control: 19004 - Process
- Emission Source/Control: 19005 - Process
- Emission Source/Control: 19006 - Process
- Emission Source/Control: 19007 - Process
- Emission Source/Control: 19008 - Process
- Emission Source/Control: 19009 - Process
- Emission Source/Control: 19010 - Process
- Emission Source/Control: 19011 - Process
- Emission Source/Control: 19012 - Process
- Emission Source/Control: 19013 - Process
- Emission Source/Control: 19014 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 19015 - Process
- Emission Source/Control: 19016 - Process
- Emission Source/Control: 19017 - Process
- Emission Source/Control: 19018 - Process
- Emission Source/Control: 19019 - Process
- Emission Source/Control: 19020 - Process
- Emission Source/Control: 19021 - Process
- Emission Source/Control: 19022 - Process
- Emission Source/Control: 19023 - Process
- Emission Source/Control: 19024 - Process
- Emission Source/Control: 19028 - Process
- Emission Source/Control: 19029 - Process
- Emission Source/Control: 19030 - Process
- Emission Source/Control: 19031 - Process
- Emission Source/Control: 19032 - Process
- Emission Source/Control: 19033 - Process
- Emission Source/Control: 19034 - Process
- Emission Source/Control: 19035 - Process
- Emission Source/Control: 19036 - Process
- Emission Source/Control: 19037 - Process
- Emission Source/Control: 19038 - Process
- Emission Source/Control: 19039 - Process
- Emission Source/Control: 19040 - Process
- Emission Source/Control: 19041 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 20007 - Process
- Emission Source/Control: 20008 - Process
- Emission Source/Control: 20011 - Process
- Emission Source/Control: 20012 - Process
- Emission Source/Control: 20013 - Process
- Emission Source/Control: 20014 - Process
- Emission Source/Control: 20015 - Process
- Emission Source/Control: 20016 - Process
- Emission Source/Control: 20017 - Process
- Emission Source/Control: 20018 - Process
- Emission Source/Control: 20019 - Process
- Emission Source/Control: 20020 - Process
- Emission Source/Control: 20021 - Process
- Emission Source/Control: 20022 - Process
- Emission Source/Control: 20023 - Process
- Emission Source/Control: 20024 - Process
- Emission Source/Control: 20025 - Process
- Emission Source/Control: 20026 - Process
- Emission Source/Control: 20027 - Process
- Emission Source/Control: 20028 - Process
- Emission Source/Control: 20029 - Process
- Emission Source/Control: 20030 - Process
- Emission Source/Control: 20031 - Process
- Emission Source/Control: 20032 - Process

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Source/Control: 20046 - Process

Emission Source/Control: 20047 - Process

Emission Source/Control: 20048 - Process

Emission Source/Control: 20049 - Process

Emission Source/Control: 20050 - Process

Emission Source/Control: 20051 - Process

Emission Source/Control: 20052 - Process

Emission Source/Control: 20053 - Process

Emission Source/Control: 20054 - Process

Emission Source/Control: 20055 - Process

Item 47.15:

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

20 Emission Unit: U-BMS01
Process: 005 Source Classification Code: 3-01-060-99

Process Description:

Equipment subject to Part 212 State-only pollutant requirements that do not require emissions control.

Emission Source/Control: AC000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG010 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC011 - Control

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC012 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI006 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI009 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI013 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI018 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI024 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI025 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: CS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS006 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CS027 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS031 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS034 - Control
Control Type: WET SCRUBBER



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: OS000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS006 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 10008 - Process

Emission Source/Control: 10009 - Process

Emission Source/Control: 10010 - Process

Emission Source/Control: 10011 - Process

Emission Source/Control: 10012 - Process

Emission Source/Control: 10014 - Process

Emission Source/Control: 10015 - Process

Emission Source/Control: 10016 - Process

Emission Source/Control: 10017 - Process

Emission Source/Control: 10018 - Process

Emission Source/Control: 10019 - Process

Emission Source/Control: 10020 - Process

Emission Source/Control: 10021 - Process

Emission Source/Control: 10022 - Process

Emission Source/Control: 10023 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 10024 - Process
- Emission Source/Control: 10026 - Process
- Emission Source/Control: 10027 - Process
- Emission Source/Control: 10028 - Process
- Emission Source/Control: 10029 - Process
- Emission Source/Control: 10030 - Process
- Emission Source/Control: 10031 - Process
- Emission Source/Control: 10032 - Process
- Emission Source/Control: 10033 - Process
- Emission Source/Control: 10034 - Process
- Emission Source/Control: 10035 - Process
- Emission Source/Control: 10036 - Process
- Emission Source/Control: 10037 - Process
- Emission Source/Control: 10038 - Process
- Emission Source/Control: 10039 - Process
- Emission Source/Control: 10040 - Process
- Emission Source/Control: 10041 - Process
- Emission Source/Control: 10042 - Process
- Emission Source/Control: 10050 - Process
- Emission Source/Control: 10051 - Process
- Emission Source/Control: 11001 - Process
- Emission Source/Control: 11006 - Process
- Emission Source/Control: 11007 - Process
- Emission Source/Control: 11009 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 11010 - Process
- Emission Source/Control: 11011 - Process
- Emission Source/Control: 11022 - Process
- Emission Source/Control: 11023 - Process
- Emission Source/Control: 11026 - Process
- Emission Source/Control: 11027 - Process
- Emission Source/Control: 11030 - Process
- Emission Source/Control: 11032 - Process
- Emission Source/Control: 11033 - Process
- Emission Source/Control: 11034 - Process
- Emission Source/Control: 11035 - Process
- Emission Source/Control: 11036 - Process
- Emission Source/Control: 11037 - Process
- Emission Source/Control: 11038 - Process
- Emission Source/Control: 11039 - Process
- Emission Source/Control: 11043 - Process
- Emission Source/Control: 12000 - Process
- Emission Source/Control: 12001 - Process
- Emission Source/Control: 12004 - Process
- Emission Source/Control: 12005 - Process
- Emission Source/Control: 12007 - Process
- Emission Source/Control: 12009 - Process
- Emission Source/Control: 12016 - Process
- Emission Source/Control: 12017 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 12019 - Process
- Emission Source/Control: 12020 - Process
- Emission Source/Control: 12021 - Process
- Emission Source/Control: 12022 - Process
- Emission Source/Control: 12023 - Process
- Emission Source/Control: 12024 - Process
- Emission Source/Control: 12025 - Process
- Emission Source/Control: 12026 - Process
- Emission Source/Control: 12027 - Process
- Emission Source/Control: 12028 - Process
- Emission Source/Control: 12029 - Process
- Emission Source/Control: 12030 - Process
- Emission Source/Control: 12031 - Process
- Emission Source/Control: 12032 - Process
- Emission Source/Control: 12033 - Process
- Emission Source/Control: 12034 - Process
- Emission Source/Control: 12035 - Process
- Emission Source/Control: 12036 - Process
- Emission Source/Control: 12037 - Process
- Emission Source/Control: 12038 - Process
- Emission Source/Control: 12040 - Process
- Emission Source/Control: 12042 - Process
- ard Emission Source/Control: 12043 - Process
- Emission Source/Control: 12044 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 12045 - Process
- Emission Source/Control: 12046 - Process
- Emission Source/Control: 12047 - Process
- Emission Source/Control: 12048 - Process
- Emission Source/Control: 12049 - Process
- Emission Source/Control: 12056 - Process
- Emission Source/Control: 13008 - Process
- Emission Source/Control: 13009 - Process
- Emission Source/Control: 13010 - Process
- Emission Source/Control: 13011 - Process
- Emission Source/Control: 13012 - Process
- Emission Source/Control: 13013 - Process
- Emission Source/Control: 13015 - Process
- Emission Source/Control: 13016 - Process
- Emission Source/Control: 13017 - Process
- Emission Source/Control: 13018 - Process
- Emission Source/Control: 13020 - Process
- Emission Source/Control: 13021 - Process
- Emission Source/Control: 13022 - Process
- Emission Source/Control: 13023 - Process
- Emission Source/Control: 13024 - Process
- Emission Source/Control: 13025 - Process
- Emission Source/Control: 13026 - Process
- Emission Source/Control: 13027 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 13033 - Process
- Emission Source/Control: 13034 - Process
- Emission Source/Control: 13035 - Process
- Emission Source/Control: 13037 - Process
- Emission Source/Control: 13042 - Process
- Emission Source/Control: 13043 - Process
- Emission Source/Control: 13044 - Process
- Emission Source/Control: 13046 - Process
- Emission Source/Control: 13048 - Process
- Emission Source/Control: 13049 - Process
- Emission Source/Control: 13053 - Process
- Emission Source/Control: 13055 - Process
- Emission Source/Control: 13056 - Process
- Emission Source/Control: 13057 - Process
- Emission Source/Control: 14004 - Process
- Emission Source/Control: 14010 - Process
- Emission Source/Control: 15004 - Process
- Emission Source/Control: 15005 - Process
- Emission Source/Control: 15006 - Process
- Emission Source/Control: 15007 - Process
- Emission Source/Control: 15008 - Process
- Emission Source/Control: 15009 - Process
- Emission Source/Control: 15010 - Process
- Emission Source/Control: 15011 - Process



- Emission Source/Control: 15012 - Process
- Emission Source/Control: 15013 - Process
- Emission Source/Control: 15014 - Process
- Emission Source/Control: 18000 - Process
- Emission Source/Control: 18001 - Process
- Emission Source/Control: 18002 - Process
- Emission Source/Control: 18003 - Process
- Emission Source/Control: 18004 - Process
- Emission Source/Control: 18005 - Process
- Emission Source/Control: 18006 - Process
- Emission Source/Control: 18007 - Process
- Emission Source/Control: 18008 - Process
- Emission Source/Control: 18009 - Process
- Emission Source/Control: 18010 - Process
- Emission Source/Control: 18011 - Process
- Emission Source/Control: 18012 - Process
- Emission Source/Control: 18013 - Process
- Emission Source/Control: 18014 - Process
- Emission Source/Control: 18015 - Process
- Emission Source/Control: 18016 - Process
- Emission Source/Control: 18017 - Process
- Emission Source/Control: 18018 - Process
- Emission Source/Control: 18019 - Process

i0



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 18020 - Process
- Emission Source/Control: 18021 - Process
- Emission Source/Control: 18022 - Process
- Emission Source/Control: 18023 - Process
- Emission Source/Control: 18024 - Process
- Emission Source/Control: 18025 - Process
- Emission Source/Control: 18026 - Process
- Emission Source/Control: 18027 - Process
- Emission Source/Control: 18028 - Process
- Emission Source/Control: 18029 - Process
- Emission Source/Control: 18030 - Process
- Emission Source/Control: 18031 - Process
- Emission Source/Control: 18032 - Process
- Emission Source/Control: 18033 - Process
- Emission Source/Control: 18034 - Process
- Emission Source/Control: 18035 - Process
- Emission Source/Control: 18036 - Process
- Emission Source/Control: 18037 - Process
- Emission Source/Control: 18038 - Process
- Emission Source/Control: 18039 - Process
- Emission Source/Control: 18040 - Process
- Emission Source/Control: 18041 - Process
- Emission Source/Control: 18042 - Process
- Emission Source/Control: 18043 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 18044 - Process
- Emission Source/Control: 18045 - Process
- Emission Source/Control: 18046 - Process
- Emission Source/Control: 18047 - Process
- Emission Source/Control: 18048 - Process
- Emission Source/Control: 19000 - Process
- Emission Source/Control: 19001 - Process
- Emission Source/Control: 19002 - Process
- Emission Source/Control: 19003 - Process
- Emission Source/Control: 19004 - Process
- Emission Source/Control: 19005 - Process
- Emission Source/Control: 19006 - Process
- Emission Source/Control: 19007 - Process
- Emission Source/Control: 19008 - Process
- Emission Source/Control: 19009 - Process
- Emission Source/Control: 19010 - Process
- Emission Source/Control: 19011 - Process
- Emission Source/Control: 19012 - Process
- Emission Source/Control: 19013 - Process
- Emission Source/Control: 19014 - Process
- Emission Source/Control: 19015 - Process
- Emission Source/Control: 19016 - Process
- Emission Source/Control: 19017 - Process
- Emission Source/Control: 19018 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 19019 - Process
- Emission Source/Control: 19020 - Process
- Emission Source/Control: 19021 - Process
- Emission Source/Control: 19022 - Process
- Emission Source/Control: 19023 - Process
- Emission Source/Control: 19024 - Process
- Emission Source/Control: 19025 - Process
- Emission Source/Control: 19026 - Process
- Emission Source/Control: 19027 - Process
- Emission Source/Control: 19028 - Process
- Emission Source/Control: 19029 - Process
- Emission Source/Control: 19034 - Process
- Emission Source/Control: 19035 - Process
- Emission Source/Control: 19036 - Process
- Emission Source/Control: 19037 - Process
- Emission Source/Control: 19038 - Process
- Emission Source/Control: 19039 - Process
- Emission Source/Control: 19040 - Process
- Emission Source/Control: 19041 - Process
- Emission Source/Control: 20000 - Process
- Emission Source/Control: 20001 - Process
- Emission Source/Control: 20002 - Process
- Emission Source/Control: 20003 - Process
- Emission Source/Control: 20004 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 20005 - Process
- Emission Source/Control: 20006 - Process
- Emission Source/Control: 20007 - Process
- Emission Source/Control: 20008 - Process
- Emission Source/Control: 20009 - Process
- Emission Source/Control: 20010 - Process
- Emission Source/Control: 20011 - Process
- Emission Source/Control: 20012 - Process
- Emission Source/Control: 20013 - Process
- Emission Source/Control: 20014 - Process
- Emission Source/Control: 20015 - Process
- Emission Source/Control: 20016 - Process
- Emission Source/Control: 20017 - Process
- Emission Source/Control: 20018 - Process
- Emission Source/Control: 20019 - Process
- Emission Source/Control: 20020 - Process
- Emission Source/Control: 20021 - Process
- Emission Source/Control: 20022 - Process
- Emission Source/Control: 20023 - Process
- Emission Source/Control: 20024 - Process
- Emission Source/Control: 20025 - Process
- Emission Source/Control: 20026 - Process
- Emission Source/Control: 20027 - Process
- Emission Source/Control: 20028 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 20029 - Process
- Emission Source/Control: 20030 - Process
- Emission Source/Control: 20031 - Process
- Emission Source/Control: 20032 - Process
- Emission Source/Control: 20033 - Process
- Emission Source/Control: 20034 - Process
- Emission Source/Control: 20035 - Process
- Emission Source/Control: 20036 - Process
- Emission Source/Control: 20037 - Process
- Emission Source/Control: 20038 - Process
- Emission Source/Control: 20039 - Process
- Emission Source/Control: 20040 - Process
- Emission Source/Control: 20041 - Process
- Emission Source/Control: 20042 - Process
- Emission Source/Control: 20043 - Process
- Emission Source/Control: 20044 - Process
- Emission Source/Control: 20045 - Process
- Emission Source/Control: 20046 - Process
- Emission Source/Control: 20047 - Process
- Emission Source/Control: 20048 - Process
- Emission Source/Control: 20049 - Process
- Emission Source/Control: 20050 - Process
- Emission Source/Control: 20051 - Process
- Emission Source/Control: 20052 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: 20053 - Process

Emission Source/Control: 20054 - Process

Emission Source/Control: 20055 - Process

Emission Source/Control: 20056 - Process

Item 47.16:

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

Emission Unit: U-BMS01

Process: 006

Source Classification Code: 3-01-060-99

Process Description:

Storage tanks containing VOC's, which are subject to 40 CFR 60 Kb applicability.

Emission Source/Control: CS002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS012 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS027 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS028 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS031 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 13005 - Process

Emission Source/Control: 13006 - Process

Emission Source/Control: 13007 - Process

Emission Source/Control: 13011 - Process

Emission Source/Control: 13015 - Process

Emission Source/Control: 13026 - Process

Emission Source/Control: 13027 - Process

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 47.17:

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

Emission Unit: U-BMS01

Process: 007

Source Classification Code: 3-01-060-99

Process Description:

Equipment standards for storage tanks and filters with
VOC emissions.

Emission Source/Control: AC000 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control

Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control

Control Type: WET SCRUBBER

Emission Source/Control: BC011 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI014 - Control

Control Type: WET SCRUBBER

Emission Source/Control: CI024 - Control

Control Type: WET SCRUBBER

Emission Source/Control: CS006 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: OS003 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 10008 - Process

Emission Source/Control: 10026 - Process

Emission Source/Control: 10028 - Process



- Emission Source/Control: 10029 - Process
- Emission Source/Control: 10033 - Process
- Emission Source/Control: 10035 - Process
- Emission Source/Control: 10036 - Process
- Emission Source/Control: 10049 - Process
- Emission Source/Control: 11024 - Process
- Emission Source/Control: 12018 - Process
- Emission Source/Control: 12044 - Process
- Emission Source/Control: 12053 - Process
- Emission Source/Control: 12056 - Process
- Emission Source/Control: 13000 - Process
- Emission Source/Control: 13002 - Process
- Emission Source/Control: 13003 - Process
- Emission Source/Control: 13004 - Process
- Emission Source/Control: 13012 - Process
- Emission Source/Control: 13013 - Process
- Emission Source/Control: 13016 - Process
- Emission Source/Control: 13017 - Process
- Emission Source/Control: 13020 - Process
- Emission Source/Control: 13021 - Process
- Emission Source/Control: 13023 - Process
- Emission Source/Control: 13024 - Process
- Emission Source/Control: 13025 - Process
- Emission Source/Control: 13033 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 13035 - Process
- Emission Source/Control: 13038 - Process
- Emission Source/Control: 13039 - Process
- Emission Source/Control: 13040 - Process
- Emission Source/Control: 13041 - Process
- Emission Source/Control: 13042 - Process
- Emission Source/Control: 13043 - Process
- Emission Source/Control: 13046 - Process
- Emission Source/Control: 13053 - Process
- Emission Source/Control: 14004 - Process
- Emission Source/Control: 14006 - Process
- Emission Source/Control: 18000 - Process
- Emission Source/Control: 18001 - Process
- Emission Source/Control: 18002 - Process
- Emission Source/Control: 18003 - Process
- Emission Source/Control: 18009 - Process
- Emission Source/Control: 18048 - Process
- Emission Source/Control: 18049 - Process
- Emission Source/Control: 18053 - Process
- Emission Source/Control: 18054 - Process
- Emission Source/Control: 18055 - Process
- Emission Source/Control: 18056 - Process
- Emission Source/Control: 18057 - Process
- Emission Source/Control: 19026 - Process

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Source/Control: 20009 - Process

Emission Source/Control: 20056 - Process

Item 47.18:

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

Emission Unit: U-BMS01

Process: 008

Source Classification Code: 3-01-060-99

Process Description:

Units which transfer VOC with vapor pressures > 4.1 psi at 20 degrees C from trucks or rail cars to storage tanks with capacities greater than 2,000 gallons, other than tanks with floating roofs, vapor recovery or equivalent controls.

Emission Source/Control: 13005 - Process

Item 47.19:

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

Emission Unit: U-BMS01

Process: 009

Source Classification Code: 3-01-060-99

Process Description: Sources subject to SOCFI regulations.

Emission Source/Control: CI008 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 12034 - Process

Emission Source/Control: 12035 - Process

Emission Source/Control: 12036 - Process

Emission Source/Control: 13048 - Process

Emission Source/Control: 13052 - Process

Emission Source/Control: 13057 - Process

Item 47.20:

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

Emission Unit: U-BMS01

Process: 010

Source Classification Code: 3-01-060-99

Process Description:

Equipment subject to Part 212 State-only pollutant

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



requirements that may require emissions control per Table 2 based on operating scenario.

Emission Source/Control: 0S007 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 0S008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC010 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: AC014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AC015 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AG010 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BC001 - Control
Control Type: WET SCRUBBER

p0 Emission Source/Control: BC011 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: BC012 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI006 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI008 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI009 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI013 - Control
Control Type: REFRIGERATED CONDENSER



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: CI014 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI018 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CI024 - Control
Control Type: WET SCRUBBER

Emission Source/Control: CI025 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: CS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS006 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CS027 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS031 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: CS034 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS000 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS002 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: OS005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: OS006 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 10008 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 10009 - Process
- Emission Source/Control: 10010 - Process
- Emission Source/Control: 10011 - Process
- Emission Source/Control: 10012 - Process
- Emission Source/Control: 10014 - Process
- Emission Source/Control: 10015 - Process
- Emission Source/Control: 10016 - Process
- Emission Source/Control: 10017 - Process
- Emission Source/Control: 10018 - Process
- Emission Source/Control: 10019 - Process
- Emission Source/Control: 10020 - Process
- Emission Source/Control: 10021 - Process
- Emission Source/Control: 10022 - Process
- Emission Source/Control: 10023 - Process
- Emission Source/Control: 10024 - Process
- Emission Source/Control: 10026 - Process
- Emission Source/Control: 10027 - Process
- Emission Source/Control: 10028 - Process
- Emission Source/Control: 10029 - Process
- Emission Source/Control: 10030 - Process
- Emission Source/Control: 10031 - Process
- Emission Source/Control: 10032 - Process
- Emission Source/Control: 10033 - Process
- Emission Source/Control: 10034 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 10035 - Process
- Emission Source/Control: 10036 - Process
- Emission Source/Control: 10037 - Process
- Emission Source/Control: 10038 - Process
- Emission Source/Control: 10039 - Process
- Emission Source/Control: 10040 - Process
- Emission Source/Control: 10041 - Process
- Emission Source/Control: 10042 - Process
- Emission Source/Control: 10050 - Process
- Emission Source/Control: 10051 - Process
- Emission Source/Control: 11001 - Process
- Emission Source/Control: 11006 - Process
- Emission Source/Control: 11007 - Process
- Emission Source/Control: 11009 - Process
- Emission Source/Control: 11010 - Process
- Emission Source/Control: 11011 - Process
- Emission Source/Control: 11022 - Process
- Emission Source/Control: 11023 - Process
- Emission Source/Control: 11026 - Process
- Emission Source/Control: 11027 - Process
- Emission Source/Control: 11030 - Process
- Emission Source/Control: 11032 - Process
- Emission Source/Control: 11033 - Process
- Emission Source/Control: 11034 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 11035 - Process
- Emission Source/Control: 11036 - Process
- Emission Source/Control: 11037 - Process
- Emission Source/Control: 11038 - Process
- Emission Source/Control: 11039 - Process
- Emission Source/Control: 11043 - Process
- Emission Source/Control: 12000 - Process
- Emission Source/Control: 12001 - Process
- Emission Source/Control: 12004 - Process
- Emission Source/Control: 12005 - Process
- Emission Source/Control: 12007 - Process
- Emission Source/Control: 12009 - Process
- Emission Source/Control: 12016 - Process
- Emission Source/Control: 12017 - Process
- Emission Source/Control: 12019 - Process
- Emission Source/Control: 12020 - Process
- Emission Source/Control: 12021 - Process
- Emission Source/Control: 12022 - Process
- Emission Source/Control: 12023 - Process
- Emission Source/Control: 12024 - Process
- Emission Source/Control: 12025 - Process
- Emission Source/Control: 12026 - Process
- Emission Source/Control: 12027 - Process
- Emission Source/Control: 12028 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Source/Control: 12029 - Process
Emission Source/Control: 12030 - Process
Emission Source/Control: 12031 - Process
Emission Source/Control: 12032 - Process
Emission Source/Control: 12033 - Process
Emission Source/Control: 12034 - Process
Emission Source/Control: 12035 - Process
Emission Source/Control: 12036 - Process
Emission Source/Control: 12037 - Process
Emission Source/Control: 12038 - Process
Emission Source/Control: 12040 - Process
Emission Source/Control: 12042 - Process
Emission Source/Control: 12043 - Process
Emission Source/Control: 12044 - Process
Emission Source/Control: 12045 - Process
Emission Source/Control: 12046 - Process
Emission Source/Control: 12047 - Process
Emission Source/Control: 12048 - Process
Emission Source/Control: 12049 - Process
Emission Source/Control: 12056 - Process
Emission Source/Control: 13008 - Process
Emission Source/Control: 13009 - Process
Emission Source/Control: 13010 - Process
Emission Source/Control: 13011 - Process



- 0Emission Source/Control: 13012 - Process
- Emission Source/Control: 13013 - Process
- Emission Source/Control: 13015 - Process
- Emission Source/Control: 13016 - Process
- Emission Source/Control: 13017 - Process
- Emission Source/Control: 13018 - Process
- Emission Source/Control: 13020 - Process
- Emission Source/Control: 13021 - Process
- Emission Source/Control: 13022 - Process
- Emission Source/Control: 13023 - Process
- Emission Source/Control: 13024 - Process
- Emission Source/Control: 13025 - Process
- Emission Source/Control: 13026 - Process
- Emission Source/Control: 13027 - Process
- Emission Source/Control: 13033 - Process
- Emission Source/Control: 13034 - Process
- Emission Source/Control: 13035 - Process
- Emission Source/Control: 13037 - Process
- Emission Source/Control: 13042 - Process
- Emission Source/Control: 13043 - Process
- Emission Source/Control: 13044 - Process
- Emission Source/Control: 13046 - Process
- Emission Source/Control: 13048 - Process
- Emission Source/Control: 13049 - Process



- Emission Source/Control: 13053 - Process
- Emission Source/Control: 13055 - Process
- Emission Source/Control: 13056 - Process
- Emission Source/Control: 13057 - Process
- Emission Source/Control: 14004 - Process
- Emission Source/Control: 14010 - Process
- Emission Source/Control: 15004 - Process
- Emission Source/Control: 15005 - Process
- Emission Source/Control: 15006 - Process
- Emission Source/Control: 15007 - Process
- Emission Source/Control: 15008 - Process
- Emission Source/Control: 15009 - Process
- Emission Source/Control: 15010 - Process
- Emission Source/Control: 15011 - Process
- Emission Source/Control: 15012 - Process
- Emission Source/Control: 15013 - Process
- Emission Source/Control: 15014 - Process
- Emission Source/Control: 18000 - Process
- Emission Source/Control: 18001 - Process
- Emission Source/Control: 18002 - Process
- Emission Source/Control: 18003 - Process
- Emission Source/Control: 18004 - Process
- Emission Source/Control: 18005 - Process
- Emission Source/Control: 18006 - Process



- Emission Source/Control: 18007 - Process
- Emission Source/Control: 18008 - Process
- Emission Source/Control: 18009 - Process
- Emission Source/Control: 18010 - Process
- Emission Source/Control: 18011 - Process
- Emission Source/Control: 18012 - Process
- Emission Source/Control: 18013 - Process
- Emission Source/Control: 18014 - Process
- Emission Source/Control: 18015 - Process
- Emission Source/Control: 18016 - Process
- Emission Source/Control: 18017 - Process
- Emission Source/Control: 18018 - Process
- Emission Source/Control: 18019 - Process
- Emission Source/Control: 18020 - Process
- Emission Source/Control: 18021 - Process
- Emission Source/Control: 18022 - Process
- Emission Source/Control: 18023 - Process
- Emission Source/Control: 18024 - Process
- Emission Source/Control: 18025 - Process
- Emission Source/Control: 18026 - Process
- Emission Source/Control: 18027 - Process
- Emission Source/Control: 18028 - Process
- Emission Source/Control: 18029 - Process
- Emission Source/Control: 18030 - Process



- Emission Source/Control: 18031 - Process
- Emission Source/Control: 18032 - Process
- Emission Source/Control: 18033 - Process
- Emission Source/Control: 18034 - Process
- Emission Source/Control: 18035 - Process
- Emission Source/Control: 18036 - Process
- Emission Source/Control: 18037 - Process
- Emission Source/Control: 18038 - Process
- Emission Source/Control: 18039 - Process
- Emission Source/Control: 18040 - Process
- Emission Source/Control: 18041 - Process
- Emission Source/Control: 18042 - Process
- Emission Source/Control: 18043 - Process
- Emission Source/Control: 18044 - Process
- Emission Source/Control: 18045 - Process
- Emission Source/Control: 18046 - Process
- Emission Source/Control: 18047 - Process
- Emission Source/Control: 18048 - Process
- Emission Source/Control: 19000 - Process
- Emission Source/Control: 19001 - Process
- Emission Source/Control: 19002 - Process
- Emission Source/Control: 19003 - Process
- Emission Source/Control: 19004 - Process
- Emission Source/Control: 19005 - Process



- Emission Source/Control: 19006 - Process
- Emission Source/Control: 19007 - Process
- Emission Source/Control: 19008 - Process
- Emission Source/Control: 19009 - Process
- Emission Source/Control: 19010 - Process
- Emission Source/Control: 19011 - Process
- Emission Source/Control: 19012 - Process
- Emission Source/Control: 19013 - Process
- Emission Source/Control: 19014 - Process
- Emission Source/Control: 19015 - Process
- Emission Source/Control: 19016 - Process
- Emission Source/Control: 19017 - Process
- Emission Source/Control: 19018 - Process
- Emission Source/Control: 19019 - Process
- Emission Source/Control: 19020 - Process
- Emission Source/Control: 19021 - Process
- Emission Source/Control: 19022 - Process
- Emission Source/Control: 19023 - Process
- Emission Source/Control: 19024 - Process
- Emission Source/Control: 19025 - Process
- Emission Source/Control: 19026 - Process
- Emission Source/Control: 19027 - Process
- Emission Source/Control: 19028 - Process
- Emission Source/Control: 19029 - Process



0

- Emission Source/Control: 19034 - Process
- Emission Source/Control: 19035 - Process
- Emission Source/Control: 19036 - Process
- Emission Source/Control: 19037 - Process
- Emission Source/Control: 19038 - Process
- Emission Source/Control: 19039 - Process
- Emission Source/Control: 19040 - Process
- Emission Source/Control: 19041 - Process
- Emission Source/Control: 20000 - Process
- Emission Source/Control: 20001 - Process
- Emission Source/Control: 20002 - Process
- Emission Source/Control: 20003 - Process
- Emission Source/Control: 20004 - Process
- Emission Source/Control: 20005 - Process
- Emission Source/Control: 20006 - Process
- Emission Source/Control: 20007 - Process
- Emission Source/Control: 20008 - Process
- Emission Source/Control: 20009 - Process
- Emission Source/Control: 20010 - Process
- Emission Source/Control: 20011 - Process
- Emission Source/Control: 20012 - Process
- Emission Source/Control: 20013 - Process
- Emission Source/Control: 20014 - Process

New York State Department of Environmental Conservation
Permit ID: 7-3126-00016/00263 Facility DEC ID: 7312600016



- Emission Source/Control: 20015 - Process
- Emission Source/Control: 20016 - Process
- Emission Source/Control: 20017 - Process
- Emission Source/Control: 20018 - Process
- Emission Source/Control: 20019 - Process
- Emission Source/Control: 20020 - Process
- Emission Source/Control: 20021 - Process
- Emission Source/Control: 20022 - Process
- Emission Source/Control: 20023 - Process
- Emission Source/Control: 20024 - Process
- Emission Source/Control: 20025 - Process
- Emission Source/Control: 20026 - Process
- Emission Source/Control: 20027 - Process
- Emission Source/Control: 20028 - Process
- Emission Source/Control: 20029 - Process
- Emission Source/Control: 20030 - Process
- Emission Source/Control: 20031 - Process
- Emission Source/Control: 20032 - Process
- Emission Source/Control: 20033 - Process
- Emission Source/Control: 20034 - Process
- Emission Source/Control: 20035 - Process
- Emission Source/Control: 20036 - Process
- Emission Source/Control: 20037 - Process
- Emission Source/Control: 20038 - Process



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- Emission Source/Control: 20039 - Process
- Emission Source/Control: 20040 - Process
- Emission Source/Control: 20041 - Process
- Emission Source/Control: 20042 - Process
- Emission Source/Control: 20043 - Process
- Emission Source/Control: 20044 - Process
- Emission Source/Control: 20045 - Process
- Emission Source/Control: 20046 - Process
- Emission Source/Control: 20047 - Process
- Emission Source/Control: 20048 - Process
- Emission Source/Control: 20049 - Process
- Emission Source/Control: 20050 - Process
- Emission Source/Control: 20051 - Process
- Emission Source/Control: 20052 - Process
- Emission Source/Control: 20053 - Process
- Emission Source/Control: 20054 - Process
- Emission Source/Control: 20055 - Process
- Emission Source/Control: 20056 - Process

Item 47.21:

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

Emission Unit: U-TIL03

Process: M05

Source Classification Code: 3-01-060-99

Process Description:

General Process emissions. This process includes general process low level pickups distributed throughout the facility.

Emission Source/Control: 22002 - Process

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 47.22:

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

Emission Unit: U-TIL03

Process: M07

Source Classification Code: 3-01-060-99

Process Description:

Maintenance. This process includes maintenance storage vessels for waste liquids.

Emission Source/Control: 22000 - Process

Emission Source/Control: 22001 - Process

Item 47.23:

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

Emission Unit: U-TIL03

Process: U07

Source Classification Code: 3-01-060-99

Process Description:

233 Equipment Standards. In process tanks, storage tanks, and filters with VOC emissions.

Emission Source/Control: 17004 - Process

Emission Source/Control: 17005 - Process

Emission Source/Control: 17006 - Process

Emission Source/Control: 17007 - Process

Emission Source/Control: 17008 - Process

Item 47.24:

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

Emission Unit: U-TIL03

Process: U15

Source Classification Code: 3-01-060-99

Process Description:

Pre-Treatment Plant (Biologic). This process is the wastewater pretreatment plant biologic operations.

Emission Source/Control: PT001 - Control

Control Type: WET SCRUBBER

Emission Source/Control: PT002 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 21001 - Process

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 48: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - date and time of day
 - observer's name
 - identity of emission point
 - weather condition
 - was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Reference Test Method: EPA 9 if required

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C31

Emission Source: 17001

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Nox emission limits for midsize boilers burning natural gas. Initial stack testing is required to demonstrate



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA RM 7E
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(1)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS
Process: C32

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

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Federally enforceable SIP limit for sulfur in oil is 2.0% by weight. However, the State enforceable limit is 1.5% by weight. Compliance shall be demonstrated by vendor receipts for each fuel oil delivery.

Parameter Monitored: SULFUR
Upper Permit Limit: 2.0 percent by weight
Reference Test Method: ASTM
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 51: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52, Subpart HH

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C32

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. The Department has since revised this rule, changing the applicability criteria and the numerical limits. The revisions, however, have not been approved by the EPA. This condition requires compliance with the rule as it is contained in the federally-approved SIP. This requirement was previously cited as 6NYCRR Part 227.2(b)(1) and is listed in the table of EPA-approved New York State regulations sited under 40 CFR 52.1679 Subpart HH.

The requirement is stated as follows:

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance testing must be performed as per 6 NYCRR Part 202-1 in accordance with a Department approved protocol.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 52: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C32

Emission Source: 17001

Regulated Contaminant(s):

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers burning residual fuel oil. Initial stack testing is required to demonstrate compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C33

Emission Source: 17002



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers burning natural gas. Initial stack testing is required to demonstrate compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52, Subpart HH

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C34

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. The Department has since revised this rule, changing the applicability criteria and the numerical limits. The revisions, however, have not been approved by the EPA. This condition requires compliance with the rule as it is contained in the federally-approved SIP. This requirement

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



was previously cited as 6NYCRR Part 227.2(b)(1) and is listed in the table of EPA-approved New York State regulations sited under 40 CFR 52.1679 Subpart HH.

The requirement is stated as follows:

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance testing must be performed as per 6 NYCRR Part 202-1 in accordance with a Department approved protocol.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Fuel Sulfur Limitation

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 55.1:

This Condition applies to Emission Unit: 1-CMBUS

Process: C34

Item 55.2:

The permittee shall not fire fuel oil which exceeds 0.50 percent sulfur by weight.

Condition 56: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

Item 56.1:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS
Process: C34

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility shall demonstrate compliance through vendor certification and shall follow the compliance procedures listed in paragraph 40 CFR 60-Dc.48c(f)(1).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS
Process: C34

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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in paragraph 60.41c. 60-Dc41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78. A standard Specification for Fuel Oils.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C34

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C34

Emission Source: 17002

Regulated Contaminant(s):

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers burning distillate oil. Initial stack testing is required to demonstrate compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 60: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

20Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C34

Emission Source: 17002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

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



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under paragraph 60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged in to the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 61: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C35

Emission Source: 17000

Regulated Contaminant(s):

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers burning natural gas. Initial stack testing is required to demonstrate compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 62: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C36

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 62.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Total Sulfur Dioxide emissions from Boiler #9 (Process C36) and Boiler #8 (Process C34) are capped at 40 Tons per year under NO. 2 fuel oil firing. Compliance will be determined by recording Boiler fuel use and applying Department approved emission factors.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52, Subpart HH

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C36



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. The Department has since revised this rule, changing the applicability criteria and the numerical limits. The revisions, however, have not been approved by the EPA. This condition requires compliance with the rule as it is contained in the federally-approved SIP. This requirement was previously cited as 6NYCRR Part 227.2(b)(1) and is listed in the table of EPA-approved New York State regulations sited under 40 CFR 52.1679 Subpart HH.

The requirement is stated as follows:

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance testing must be performed as per 6 NYCRR Part 202-1 in accordance with a Department approved protocol.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Fuel Sulfur Limitation

Effective between the dates of 07/17/2002 and 07/17/2007

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 64.1:

This Condition applies to Emission Unit: 1-CMBUS
Process: C36

Item 64.2:

The permittee shall not fire fuel oil which exceeds 0.50 percent sulfur by weight.

Condition 65: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS
Process: C36

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility shall demonstrate compliance through vendor certification and shall follow the compliance procedures listed in paragraph 40 CFR 60-Dc.48c(f)(1).

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)

Item 66.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Unit: 1-CMBUS

Process: C36

Emission Source: 17000

Regulated Contaminant(s):

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for midsize boilers burning distillate oil. Initial stack testing is required to demonstrate compliance. Stack testing to demonstrate compliance shall be done at least once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 67: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C36

Emission Source: 17000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under paragraph 60.8 of this part, whichever date comes first, no owner of operator of an affected facility that combusts



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

coal, wood or oil and has a heat input n0 capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 68: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C36

Emission Source: 17000

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

i) The name of the oil supplier, and

ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

Monitoring Frequency: AS REQUIRED - SEE MONITORING



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C36

Emission Source: 17000

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C37

Emission Source: 17003

Regulated Contaminant(s):

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

Item 70.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually unless the boiler has not been operated during the previous 365 day period. However, if an annual tune-up has not been completed within the previous 365 day period, an annual tune-up shall be completed within 15 days of startup on the unit. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) the name, title and affiliation of the person who adjusted the equipment.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 71: Abatement

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 219-5.5

Item 71.1:

This Condition applies to Emission Unit: 1-CMBUS
Process: C38

Item 71.2:

(a) Where the commissioner has reason to believe that an incinerator installation is violating the emission standards of section 219-5.2 of 6NYCRR, Subpart 219-5, the commissioner may have tests conducted. The owner must provide, at the owner's own expense, sampling holes and pertinent allied facilities as needed, at the request of the commissioner.

(b) If such tests indicate a contravention of the emission limits, the commissioner may require the installation of appropriate control equipment or the commissioner may seal the incinerator if such equipment is not installed within the time limit specified by the commissioner.

(c) The Commissioner may order the cleaning, repair, replacement or alteration of any equipment or control equipment which causes or is operated so as to cause a violation of 6NYCRR Subpart 219-5.

(d) The Commissioner may order a change in the manner of operation of any incinerator which is operated so as to cause a violation of 6NYCRR Subpart 219-5.

Condition 72: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 219-5.2(a)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C38 Emission Source: 23001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The incinerator must be operated to meet the particulate emission limits of Figure 1, appendix 2 of 6 NYCRR Part 219. The incinerator shall be tested at least once per permit term, or as requested by the Department.

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 73: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C39

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Total NOx emissions from the WWTP Boiler (Process C39)



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

and Flare (Process C40) are limited to less than 40 tons per year. Compliance will be determined by recording boiler fuel use and applying Department approved Emission Factors.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS
Process: C39

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Total Sulfur Dioxide emissions from WWTP Boiler (process C39) and Flare (process C40) are limited to less than 40 tons per year. Compliance will be determined by recording boiler fuel use and applying Department Approved emission factors.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C39

Emission Source: 21000

Regulated Contaminant(s):

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually unless the boiler has not been operated during the previous 365 day period. However, if an annual tune-up has not been completed within the previous 365 day period, an annual tune-up shall be completed within 15 days of startup of the unit. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) the name, title and affiliation of the person who adjusted the equipment.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS

Process: C40

Emission Source: PT000

Item 76.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A tune-up shall be performed annually for the flare unless it has not been operated during the previous 365 day period. However, if an annual tune-up has not been completed within the previous 365 day period, an annual tune-up shall be completed within 15 days of startup of the unit. The owner or operator of a small boiler (flare) shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title and affiliation of the person who adjusted the equipment.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 219-5.3(a)

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 00006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each day the incinerator is in operation the following shall be required to be perform:

1) Observe the incinerator stack once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date of incinerator operation
- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?
- were excess emissions noted?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years from the date of the last entry.

3) Should excessive emissions be noted on two consecutive days, an EPA Method 9 analysis of the incinerator stack must be conducted within two business days to determine compliance. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened.

For the purposes of this permit condition, excessive emissions are defined as either visible emissions that last for more than one minute or visible emissions of any duration that are recognized by the operator as being greater than normal operation.

Reference Test Method: EPA RM 9 if required

Monitoring Frequency: DAILY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 78: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 219-5.3(a)

Item 78.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Unit: 1-CMBUS Emission Point: 00006

Item 78.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Incinerator opacity limit. At a minimum, compliance shall be demonstrated for a one hour continuous operating period using EPA Method 9 prior to Permit Renewal.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 02004

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 80: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 02008

Item 80.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 02009

Item 81.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 82: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 02009

Regulated Contaminant(s):

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Total NO_x emissions from Boiler #9 are limited to less than 40 tons per year for natural gas (process C35) and fuel oil (process C36). Compliance will be determined by recording Boiler fuel use and applying Department approved emission factors.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 020S6

Item 83.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 84: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 020T6

Item 84.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA RM 9
Monitoring Frequency: UPON PERMIT RENEWAL
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 85: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 20201

Item 85.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA RM 9
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 86: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.3(a)

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CMBUS Emission Point: 20202

Item 86.2:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Recordkeeping - Part 233.5(a)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.5

Item 87.1:

This Condition applies to Emission Unit: U-BMS01

Item 87.2:

The owner or operator of processes subject to this Part must maintain the following records at the facility for a period of five years:

(1) parameters listed in Part 233.4(c) and Part 233.4(d) must be recorded and;

(2) the vapor pressure of the volatile organic compound at 20 degrees C being controlled must be recorded for every process.

Condition 88: Recordkeeping for leaks - Part 233.5(b)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.5

Item 88.1:

This Condition applies to Emission Unit: U-BMS01

Item 88.2:

For any leak subject to Part 233.3(g), which cannot be readily repaired within one day after detection, the following records must be kept:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- (1) the name of the leaking equipment;
- (2) the date and time the leak is detected;
- (3) the action taken to repair the leak; and
- (4) the date and time the leak is repaired.

**Condition 89: Equipment Leaks Applicability and Overlap with Other Rules
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.160, Subpart H

Item 89.1:

This Condition applies to Emission Unit: U-BMS01

Item 89.2:

(a) The provisions of 40 CFR 63, Subpart H apply to pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems required by this subpart that are intended to operate in organic hazardous air pollutant service 300 hours or more during the calendar year within a source subject to the provisions of a specific subpart in 40 CFR part 63 that references Subpart H.

(b) After the compliance date for a process unit, equipment to which this subpart applies that are also subject to the provisions of:

- (1) 40 CFR part 60 will be required to comply only with the provisions of this subpart.
- (2) 40 CFR part 61 will be required to comply only with the provisions of this subpart.

(c) If a process unit subject to the provisions of subpart H has equipment to which this subpart does not apply, but which is subject to a standard identified in paragraph (c)(1), (c)(2), or (c)(3) of this section, the owner or operator may elect to apply this subpart to all such equipment in the process unit. If the owner or operator elects this method of compliance, all VOC in such equipment shall be considered, for purposes of applicability and compliance with this subpart, as if it were organic hazardous air pollutant (HAP). Compliance with the provisions of this subpart, in the manner described in this paragraph, shall be deemed to constitute compliance with the standard identified in paragraph (c)(1), (c)(2), or (c)(3) of this section.

- (1) 40 CFR part 60, subpart VV, GGG, or KKK;
- (2) 40 CFR part 61, subpart F or J; or
- (3) 40 CFR part 264, subpart BB or 40 CFR part 265, subpart BB.

(d) The provisions in 40 CFR § 63.1(a)(3) of subpart A do not alter the provisions in paragraph (b) of this section.

(e) Except as provided in any subpart that references subpart H, lines and equipment not containing process fluids are not subject to the provisions of this subpart. Utilities, and other non-process lines, such as heating and cooling systems which do not combine their materials with those in the processes they serve, are not considered to be part of a process unit.

(f) The provisions of this subpart do not apply to research and development facilities or to bench-scale batch processes, regardless of whether the facilities or processes are located at the same plant site as a

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



process subject to the provisions of this subpart.

Condition 90: General Leak Standards
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.162, Subpart H

Item 90.1:

This Condition applies to Emission Unit: U-BMS01

Item 90.2:

(a) Compliance with subpart H will be determined by review of the records required by § 63.181 of this subpart and the reports required by § 63.182 of this subpart, review of performance test results, and by inspections.

(b)(1) An owner or operator may request a determination of alternative means of emission limitation to the requirements of §§ 63.163 through 63.170, and §§ 63.172 through 63.174 of this subpart as provided in § 63.177.

(2) If the Administrator makes a determination that a means of emission limitation is a permissible alternative to the requirements of §§ 63.163 through 63.170, and §§ 63.172 through 63.174 of this subpart, the owner or operator shall comply with the alternative.

(c) See separate permit condition.

(d) Equipment that is in vacuum service is excluded from the requirements of this subpart.

(e) Equipment that is in organic HAP service less than 300 hours per calendar year is excluded from the requirements of §§ 63.163 through 63.174 of this subpart and § 63.178 of this subpart if it is identified as required in § 63.181(j) of this subpart.

(f) See separate permit condition.

(g) Except as provided in paragraph (g)(1) of this section, all terms in this subpart that define a period of time for completion of required tasks (e.g., weekly, monthly, quarterly, annual), refer to the standard calendar periods unless specified otherwise in the section or subsection that imposes the requirement.

(1) If the initial compliance date does not coincide with the beginning of the standard calendar period, an owner or operator may elect to utilize a period beginning on the compliance date, or may elect to comply in accordance with the provisions of paragraphs (g)(2) or (g)(3) of this section.

(2) Time periods specified in this subpart for completion of required tasks may be changed by mutual agreement between the owner or operator and the Administrator, as specified in subpart A of this part. For each time period that is changed by agreement, the revised period shall remain in effect until it is changed. A new request is not necessary for each recurring period.

(3) Except as provided in paragraph (g)(1) or (g)(2) of this section, where the period specified for compliance is a standard calendar period, if the initial compliance date does not coincide with the



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

beginning of the calendar period, compliance shall be required according to the schedule specified in paragraphs (g)(3)(i) or (g)(3)(ii) of this section, as appropriate.

(i) Compliance shall be required before the end of the standard calendar period within which the compliance deadline occurs, if there remain at least 3 days for tasks that must be performed weekly, at least 2 weeks for tasks that must be performed monthly, at least 1 month for tasks that must be performed each quarter, or at least 3 months for tasks that must be performed annually; or

(ii) In all other cases, compliance shall be required before the end of the first full standard calendar period after the period within which the initial compliance deadline occurs.

(4) In all instances where a provision of this subpart requires completion of a task during each of multiple successive periods, an owner or operator may perform the required task at any time during each period, provided the task is conducted at a reasonable interval after completion of the task during the previous period.

(h) In all cases where the provisions of this subpart require an owner or operator to repair leaks by a specified time after the leak is detected, it is a violation of this subpart to fail to take action to repair the leaks within the specified time. If action is taken to repair the leaks within the specified time, failure of that action to successfully repair the leak is not a violation of this subpart. However, if the repairs are unsuccessful, a leak is detected and the owner or operator shall take further action as required by applicable provisions of this subpart.

**Condition 91: General standards - identification of equipment
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.162(c), Subpart H

Item 91.1:

This Condition applies to Emission Unit: U-BMS01

Item 91.2:

Each piece of equipment to which Subpart H applies shall be identified such that it can be distinguished readily from equipment that is not subject to Subpart H. This does not require physical tagging, but may be identified on a plant site plan, log entries, or by designation of process unit boundaries by some form of weatherproof identification.

**Condition 92: General standards - Detection of leaks in pumps,
connectors, closed vent systems and control devices,
agitators, and compressors
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.162(f), Subpart H

Item 92.1:

This Condition applies to Emission Unit: U-BMS01

Item 92.2:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

When a leak is detected as specified in 40CFR63.163, 164, 169, 172, 173, and 174, a weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment. The identification which has been placed on equipment determined to have a leak, except for a connector that is subject to the provisions of 40CFR63.174(c)(1)(i), may be removed after it is repaired.

Condition 93: General standards - detection of leaks in valves
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.162(f), Subpart H

Item 93.1:

This Condition applies to Emission Unit: U-BMS01

Item 93.2:

When each leak is detected as specified in 40CFR63.168 and 169, a weatherproof and readily visible identification, marked with the equipment number, shall be attached to the leaking equipment. The identification on a valve may be removed after it has been monitored as specified in 40CFR63.168(f)(3), and 63.175(e)(7)(i)(D), and no leak has been detected during the follow-up monitoring.

Condition 94: Pumps in light liquid service - exemptions
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163, Subpart H

Item 94.1:

This Condition applies to Emission Unit: U-BMS01

Item 94.2:

(1) Any pump that is designed with no externally actuated shaft penetrating the pump housing is exempt from the requirements of paragraphs (a) through (c) of 40 CFR section 63.163.

(2) Any pump equipped with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a process or to a fuel gas system or to a control device that complies with the requirements of § 63.172 of subpart H is exempt from the requirements of paragraphs (b) through (e) of section 63.163.

(3) Any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (b)(3) and (e)(4) of section 63.163, and the daily requirements of paragraph (e)(5) of section 63.163, provided that each pump is visually inspected as often as practicable and at least monthly.

(4) If more than 90 percent of the pumps at a process unit meet the criteria in either paragraph (e) or (f) of section 63.163, the process unit is exempt from the requirements of paragraph (d) of section 63.163.

Condition 95: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Applicable Federal Requirement: 40CFR 63.163(a), Subpart H

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The provisions of this section apply to each pump that is in light liquid service.

(1) The provisions are to be implemented on the dates specified in the specific subpart in 40 CFR part 63 that references this subpart in the phases specified below:

(i) For each group of existing process units at existing sources subject to the provisions of subparts F or I of this part, the phases of the standard are:

(A) Phase I, beginning on the compliance date;

(B) Phase II, beginning no later than 1 year after the compliance date; and

(C) Phase III, beginning no later than 2 1/2 years after the compliance date.

(ii) For new sources subject to the provisions of subparts F or I of this part, the applicable phases of the standard are:

(A) After initial start-up, comply with the Phase II requirements; and

(B) Beginning no later than 1 year after initial start-up, comply with the Phase III requirements.

(2) The owner or operator of a source subject to the provisions of subparts F or I of this part may elect to meet the requirements of a later phase during the time period specified for an earlier phase.

(3) Sources subject to other subparts in 40 CFR part 63 that reference this subpart shall comply on the dates specified in the applicable subpart.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(b)(1), Subpart H

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

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

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a process unit subject to this subpart shall monitor each pump monthly to detect leaks by the method specified in section 63.180(b) of this subpart and shall comply with the requirements of paragraphs (a) through (d) of this section, except as provided in section 63.162(b) of this subpart and paragraphs (e) through (j) of this section.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(b)(2), Subpart H

Item 97.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner/operator shall monitor each pump in light liquid service monthly to detect leaks by the method specified in 40CFR63.180(b). In Phase II and Phase III the instrument reading that defines a leak is 5,000 ppm or greater for pumps handling polymerizing monomers.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40CFR63.171. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. First attempts include, but are not limited to, tightening of packing gland nuts, and ensuring that the seal flush is operating at design pressure and temperature.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 5000 parts per million (by volume)

Reference Test Method: 40CFR63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(b)(2), Subpart H

Item 98.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner/operator shall monitor each pump in light liquid service monthly to detect leaks by the method specified in 40CFR63.180(b). In Phase III the instrument reading that defines a leak is 2,000 ppm or greater for pumps in food/medical service. In Phase II, it is 5,000 ppm or greater.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40CFR63.171. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. First attempts include, but are not limited to, tightening of packing gland nuts, and ensuring that the seal flush is operating at design pressure and temperature.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 2000 parts per million (by volume)

Reference Test Method: 40CFR63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(b)(2), Subpart H

Item 99.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner/operator shall monitor each pump in light liquid service monthly to detect leaks by the method specified in 40CFR63.180(b). The instrument reading that defines a leak is 1,000 ppm or greater.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40CFR63.171. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. First attempts include, but are not limited to, tightening of packing gland nuts, and ensuring that the seal flush is operating at design pressure and temperature.

Repair is not required unless an instrument reading of 2,000 ppm or greater is detected.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000 parts per million (by volume)

Reference Test Method: 40CFR63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(b)(3), Subpart H

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, that shall constitute a leak.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40CFR63.171. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. First attempts include, but are not limited to, tightening of packing gland nuts, and ensuring that the seal flush is operating at design pressure and temperature.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 101: Pumps in light liquid service - percent leaking pumps calculation

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(d)(1), Subpart H

Item 101.1:

This Condition applies to Emission Unit: U-BMS01

Item 101.2:

Pursuant to §63.163(d)(4), percent leaking pumps shall be calculated using the following equation:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

$$\%P_l = ((P_l - P_s) / (P_t - P_s)) \times 100$$

where:

$\%P_l$ = percent leaking pumps

P_l = Number of pumps found leaking as determined through monthly monitoring

P_t = Total pumps in organic HAP service, including those meeting the criteria in 63.163(e) & (f)

P_s = Number of pumps leaking within 1 month of startup during the current monitoring period

Pursuant to §63.163(d)(2) if, calculated on a 6-month rolling average, the greater of 10 percent of the pumps in a process unit or three pumps in a process unit leak, the owner/operator shall implement a quality improvement program for pumps that complies with the requirements of 40CFR63.176.

Pursuant to §63.163(d)(1), the owner/operator shall determine no later than the first monitoring period whether to calculate percent leaking pumps on a process unit basis or on a source-wide basis. Once this has been decided, all subsequent percent calculations shall be made on the same basis.

Pursuant to §63.163(d)(3), the number of pumps at a process unit shall be the sum of all the pumps in organic HAP service, except that pumps found leaking in continuous process until within 1 month after start-up of the pump shall not count in the percent leaking pumps calculation for that one monitoring period only.

Condition 102: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.163(e), Subpart H

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt for the requirements of paragraphs (a) through (d) of this section provided the following requirements are met:

- (1) Each dual mechanical seal system is:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- n0
- (i) Operated with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or
 - (ii) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of § 63.172 of this subpart; or
 - (iii) Equipped with a closed-loop system that purges the barrier fluid into a process stream.

(2) The barrier fluid is not in light liquid service.

(3) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(4) Each pump is checked by visual inspection each calendar week for indications of liquids dripping from the pump seal.

(i) If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the pump shall be monitored as specified in § 63.180(b) of this subpart to determine if there is a leak of organic HAP in the barrier fluid.

(ii) If an instrument reading of 1,000 parts per million or greater is measured, a leak is detected.

(5) Each sensor as described in paragraph (e)(3) of this section is observed daily or is equipped with an alarm unless the pump is located within the boundary of an unmanned plant site.

(6)(i) The owner or operator determines, based on design considerations and operating experience, criteria applicable to the presence and frequency of drips and to the sensor that indicates failure of the seal system, the barrier fluid system, or both.

(ii) If indications of liquids dripping from the pump seal exceed the criteria established in paragraph (e)(6)(i) of this section, or if, based on the criteria established in paragraph (e)(6)(i) of this section, the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



(iii) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in § 63.171 of this subpart.

(iv) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

**Condition 103: Pumps in light liquid service - unsafe to monitor pumps
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.163(j), Subpart H

Item 103.1:

This Condition applies to Emission Unit: U-BMS01

Item 103.2:

Any pump that is designated, as described in 40CFR63.181(b)(7)(i), as an unsafe-to-monitor pump is exempt from the monitoring requirements if:

- 1) It is determined that the pump is unsafe to monitor because monitoring personnel would be exposed to an immediate danger by monitoring the pumps; and
- 2) There is a written plan that requires monitoring of the pump as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule allows.

**Condition 104: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.164, Subpart H

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere. Each compressor seal system shall be:

- 1) operated with the barrier fluid at a pressure greater than the compressor stuffing box pressure;
- 2) equipped with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40CFR63.172; or
- 3) Equipped with a closed-loop system that purges the barrier fluid directly into a process stream.

The barrier fluid shall not be in light liquid service.

Each barrier fluid system shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both.

Each sensor shall be observed daily or shall be equipped with an alarm unless the compressor is located within the boundary of an unmanned plant site. A criterion shall be determined, based on design considerations and operating experience, that indicates failure of the seal system, the barrier fluid system, or both. If the sensor indicates failure, a leak is detected.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40CFR63.171. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

Reference Test Method: 40CFR63.164(e)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 105: Pressure relief devices in gas/vapor service - exemptions
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.165, Subpart H

Item 105.1:

This Condition applies to Emission Unit: U-BMS01

Item 105.2:

Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in § 63.172 of this subpart is exempt from the requirements of paragraphs (a) and (b) of this section.

Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of paragraphs (a) and (b) of this section, provided the owner or operator complies with the following requirements:

After each pressure release, a rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in § 63.171 of this subpart.

Condition 106: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.165, Subpart H

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with an instrument reading of less than 500 ppm above background.

After each pressure release, the pressure relief device



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

shall be returned to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release.

No later than 5 calendar days after each pressure release and being returned to organic HAP service, the pressure relief device shall be monitored to confirm an instrument reading of less than 500 ppm above background, as measured by the method specified in 40CFR63.180(c).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 500 parts per million (by volume)

Reference Test Method: 40CFR63.180(c)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 107: Sampling connection systems standards

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.166, Subpart H

Item 107.1:

This Condition applies to Emission Unit: U-BMS01

Item 107.2:

(a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §63.162(b) of this subpart. Gases displaced during filling of the sample container are not required to be collected or captured.

(b) Each closed-purge, closed-loop, or closed-vent system as required in paragraph (a) of this section shall:

- (1) Return the purged process fluid directly to the process line; or
- (2) Collect and recycle the purged process fluid to a process; or
- (3) Be designed and operated to capture and transport the purged process fluid to a control device that complies with the requirements of §63.172 of this subpart; or
- (4) Collect, store, and transport the purged process fluid to a system or facility identified in paragraph (b)(4)(i), (ii), or (iii) of this section.
 - (i) A waste management unit as defined in §63.111 of subpart G of this part, if the waste management



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

unit is subject to, and operated in compliance with the provisions of subpart G of this part applicable to group 1 wastewater streams. If the purged process fluid does not contain any organic HAP listed in Table 9 of subpart G of part 63, the waste management unit need not be subject to, and operated in compliance with the requirements of 40 CFR part 63, subpart G applicable to group 1 wastewater streams provided the facility has an NPDES permit or sends the wastewater to an NPDES permitted facility.

(ii) A treatment, storage, or disposal facility subject to regulation under 40 CFR part 262, 264, 265, or 266; or

(iii) A facility permitted, licensed, or registered by a State to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR part 261.

(c) In-situ sampling systems and sampling systems without purges are exempt from the requirements of paragraphs (a) and (b) of this section.

Condition 108: Open-ended valves or lines standards

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.167(a), Subpart H

Item 108.1:

This Condition applies to Emission Unit: U-BMS01

Item 108.2:

(1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in § 63.162(b) of this subpart and paragraphs (d) and (e) of this section.

(2) The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair.

Condition 109: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.167(b), Subpart H

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each open-ended valve or line equipped with a second



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 110: Standards for open-ended valves with double block and bleed system
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.167(c), Subpart H

Item 110.1:

This Condition applies to Emission Unit: U-BMS01

Item 110.2:

When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with §63.167(a) at all other times.

Condition 111: Standards for open-ended valves/lines during emergency shutdown
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.167(d), Subpart H

Item 111.1:

This Condition applies to Emission Unit: U-BMS01

Item 111.2:

Open-ended valves and lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of §63.167(a), (b), and (c).

Condition 112: Open-ended valves or lines - exemption
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.167(e), Subpart H

Item 112.1:

This Condition applies to Emission Unit: U-BMS01

Item 112.2:

Open-ended valves or lines containing materials which would autocatalytically polymerize or, would



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in paragraphs (a) through (c) of this section are exempt from the requirements of paragraph (a) through (c) of this section.

Condition 113: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.168, Subpart H

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owner/operator shall monitor all valves in gas/vapor service and light liquid service using the method specified in 40CFR63.180(b). All existing process units are in Phase III of the standard. New sources subject to Subpart F or I must comply with Phase II requirements upon initial start-up. They must comply with Phase III requirements beginning no later than 1 year after initial start-up.

In Phases II and III, an instrument reading of 500 ppm or greater indicates a leak. In Phase II for new sources, each valve shall be monitored quarterly. In Phase III, the owner/operator shall monitor valves at the following intervals:

- 1) At process units with 2 percent or greater leaking valves, owner/operator shall monitor each valve once per month.
- 2) At process units with less than 2 percent leaking valves, owner/operator shall monitor each valve once per quarter.
- 3) At process units with less than 1 percent leaking valves, owner/operator shall monitor each valve once every 2 quarters.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



4) At process units with less than 0.5 percent leaking valves, owner/operator shall monitor each valve once every 4 quarters.

Percent leaking valves shall be calculated as follows:

$$\%VI = (VI/(Vt+Vc))*100$$

where:

%VI = percent leaking valves as determined through periodic monitoring

VI = number of valves found leaking excluding nonrepairables as provided in 40CFR63.168(e)(3)(i)

Vt = total valves monitored, in a monitoring period excluding valves monitored as required by 63.168(f)(3)

Vc = optional credit for removed valves = 0.67 x net number (total removed - total added) of valves in organic HAP service removed from process unit after the compliance date.

The percent leaking valves shall be calculated as a two-month rolling average for monthly, quarterly, or semiannual monitoring programs. The percent leaking valves shall be calculated as an average of any three of four consecutive monitoring periods for annual monitoring programs.

Nonrepairable valves shall be included in the calculation of percent leaking valves the first time the valve is identified as leaking and nonrepairable. Otherwise, a number of nonrepairable valves (identified and included in the percent leaking calculation in a previous period) up to a maximum of 1 percent of the total number of valves in organic HAP service at a process unit may be excluded from calculation of percent leaking valves. If the number exceeds 1 percent nonrepairable, then the number exceeding 1 percent shall be counted.

Reference Test Method: 40 CFR 63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

**Condition 114: Valves in gas/vapor service and light liquid service -
repair of leaks
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.168(f), Subpart H

Item 114.1:

This Condition applies to Emission Unit: U-BMS01

Item 114.2:

When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in §63.171 of this subpart. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. When a leak has been repaired, the valve shall be monitored at least once within the first 3 months after its repair.

(i) The monitoring shall be conducted as specified in §63.180 (b) and (c), as appropriate, to determine whether the valve has resumed leaking.

(ii) Periodic monitoring required by paragraphs (b) through (d) of section 63.168 may be used to satisfy this paragraph post-repair monitoring, if the timing of the monitoring period coincides falls within the 3 months allotted. Alternatively, other monitoring may be performed to satisfy this requirement, regardless of whether the timing of the monitoring period for periodic monitoring falls within the 3 months.

(iii) If a leak is detected by post-repair monitoring, the owner or operator shall follow the provisions of (iii)(A) and (iii)(B) of this condition, to determine whether that valve must be counted as a leaking valve for purposes of § 63.168(e) of this subpart.

(A) If the owner or operator elected to use periodic monitoring required by paragraphs (b) through (d) of section 63.168 to satisfy the post-repair monitoring requirements of this section, then the valve shall be counted as a leaking valve.

(B) If the owner or operator elected to use other monitoring, prior to the periodic monitoring required by paragraphs (b) through (d) of this section, to satisfy the post-repair requirements above, then the valve shall be counted as a leaking valve unless it is repaired and shown by periodic monitoring not to be leaking.

Per §63.168(g), first attempts at repair include, but are not limited to, the following practices where practicable:

- (1) Tightening of bonnet bolts,
- (2) Replacement of bonnet bolts,
- (3) Tightening of packing gland nuts, and
- (4) Injection of lubricant into lubricated packing.

Condition 115: Standards for valves in gas/vapor and light liquid service



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- unsafe-to-monitor valves

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.168(h), Subpart H

Item 115.1:

This Condition applies to Emission Unit: U-BMS01

Item 115.2:

Any valve that has been designated as unsafe-to-monitor is exempt from the monitoring requirements of 40CFR63.168 if:

- 1) it is determined that monitoring personnel would be exposed to an immediate danger as a consequence of complying with the monitoring provisions; and
- 2) there is a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor periods, but not more frequently than the periodic monitoring schedule otherwise applicable.

Condition 116: Standards for valves in gas/vapor and light liquid service

- difficult-to-monitor valves

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.168(i), Subpart H

Item 116.1:

This Condition applies to Emission Unit: U-BMS01

Item 116.2:

Any valve that is designated as a difficult-to-monitor valve is exempt from the monitoring requirements in 40CFR63.168 if:

- 1) it is determined that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner;
- 2) the process unit within which the valve is located is an existing source or the owner/operator designates less than 3 percent of the total number of valves in a new source as difficult-to-monitor; and
- 3) The owner/operator follows a written plan to monitor the valve at least once per calendar year.

Condition 117: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.169, Subpart H

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pumps, valves, connectors, and agitators in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and instrumentation systems shall be monitored within 5 calendar days by the method specified in 40CFR63.180(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method. If such a potential leak is repaired as described below, it is not necessary to monitor the system for leaks by the method specified in §63.180(b).

If an instrument reading of 10,000 ppm or greater for agitators, 5,000 ppm or greater for pumps handling polymerizing monomers, 2,000 ppm or greater for all other pumps, or 500 ppm or greater for valves, connectors, instrumentation systems, and pressure relief devices is measured, a leak is detected.

When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after detection. The first attempt at repair shall be made no later than 5 calendar days after detection and shall include the practices listed in 40CFR63.163(c)(2) for pumps and 40CFR63.168(g) for valves.

In order to be exempt from the post-repair monitoring requirement in this condition, repaired shall mean that the visual, audible, olfactory, or other indications of a leak have been eliminated; that no bubbles are observed at potential leak sites during a leak check using soap solution; or that the system will hold a test pressure.

Reference Test Method: 40 CFR 63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.170, Subpart H

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Standards: Surge control vessels and bottoms receivers.

Each surge control vessel or bottoms receiver that is not routed back to the process and that meets the conditions specified in table 2 or table 3 of this subpart shall be equipped with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that comply with the requirements in section 63.172 of this subpart, except as provided in section 63.162(b) of this subpart, or comply with the requirements of section 63.119(b) or (c) of subpart G of this part.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 119: Delay of repair - general

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.171(a), Subpart H



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Item 119.1:

This Condition applies to Emission Unit: U-BMS01

Item 119.2:

Delay of repair of equipment for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown. Repair of this equipment shall occur by the end of the next process unit shutdown.

Condition 120: Delay of repair for isolated equipment

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.171(b), Subpart H

Item 120.1:

This Condition applies to Emission Unit: U-BMS01

Item 120.2:

Delay of repair of equipment for which leaks have been detected is allowed for equipment that is isolated from the process and that does not remain in organic HAP service.

Condition 121: Delay of repair - valves, connectors, and agitators

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.171(c), Subpart H

Item 121.1:

This Condition applies to Emission Unit: U-BMS01

Item 121.2:

Delay of repair is allowed for valves, connectors, and agitators if it is determined that emissions of purged material resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair, and when repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40CFR63.172.

Condition 122: Delay of repair - pumps

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.171(d), Subpart H

Item 122.1:

This Condition applies to Emission Unit: U-BMS01

Item 122.2:

Delay of repair is allowed for pumps if repair requires replacing the existing seal design with a new system that has been determined under the provisions of 40CFR63.176(d) will provide better performance or:

- 1) A dual mechanical seal system that meets the requirements of 40CFR63.163(e), or



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- 2) A pump that meets the requirements of 40CFR63.163(f), or
- 3) A closed-vent system and control device that meets the requirements of 40CFR63.163(g); and

repair is completed as soon as practicable, but not later than 6 months after the leak was detected.

Condition 123: Delay of repair beyond process unit shutdown
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.171(e), Subpart H

Item 123.1:

This Condition applies to Emission Unit: U-BMS01

Item 123.2:

Delay of repair beyond a process unit shutdown will be allowed for a valve if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the second process unit shutdown will not be allowed unless the third process unit shutdown occurs sooner than 6 months after the first process unit shutdown.

Condition 124: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.172, Subpart H

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Standards: Closed-vent systems and control devices.

Owners or operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in section 63.162(b) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 125: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.173, Subpart H

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a)(1) Each agitator shall be monitored monthly to detect leaks by the methods specified in §63.180(b) of this subpart, except as provided in §63.162(b) of this subpart.

(2) If an instrument reading of 10,000 parts per million or greater is measured, a leak is detected.

(b)(1) Each agitator shall be checked by visual inspection each calendar week for indications of liquids dripping from the agitator.

(2) If there are indications of liquids dripping from the agitator, a leak is detected.

(c)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §63.171 of this subpart.

(2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

Exemptions:

(d) Each agitator equipped with a dual mechanical seal



system that includes a barrier fluid system is exempt from the requirements of paragraph (a) of this section, provided the requirements specified in paragraphs (d)(1) through (d)(6) of this section are met:

- (1) Each dual mechanical seal system is:
 - (i) Operated with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or
 - (ii) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of §63.172 of this subpart; or
 - (iii) Equipped with a closed-loop system that purges the barrier fluid into a process stream.
- (2) The barrier fluid is not in light liquid organic HAP service.
- (3) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.
- (4) Each agitator is checked by visual inspection each calendar week for indications of liquids dripping from the agitator seal.
 - (i) If there are indications of liquids dripping from the agitator seal at the time of the weekly inspection, the agitator shall be monitored as specified in §63.180(b) of this subpart to determine the presence of organic HAP in the barrier fluid.
 - (ii) If an instrument reading of 10,000 parts per million or greater is measured, a leak is detected.
- (5) Each sensor as described in paragraph (d)(3) of this section is observed daily or is equipped with an alarm unless the agitator is located within the boundary of an unmanned plant site.
- (6)(i) The owner or operator determines, based on design considerations and operating experience, criteria applicable to the presence and frequency of drips and to the sensor that indicates failure of the seal system, the barrier fluid system, or both.
 - (ii) If indications of liquids dripping from the agitator seal exceed the criteria established in paragraph (d)(6)(i) of this section, or if, based on the criteria established in paragraph (d)(6)(i) of this section, the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected.
 - (iii) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in §63.171 of

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



this subpart.

(iv) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

(e) Any agitator that is designed with no externally actuated shaft penetrating the agitator housing is exempt from paragraphs (a) through (c) of this section.

(f) Any agitator equipped with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a process or fuel gas system or to a control device that complies with the requirements of §63.172 of this subpart is exempt from the requirements of paragraphs (a) through (c) of the section.

(g) Any agitator that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (b)(1) and (d)(4) of this section, and the daily requirements of paragraph (d)(5) of this section, provided that each agitator is visually inspected as often as practical and at least monthly.

(h) Any agitator that is difficult-to-monitor is exempt from the requirements of paragraphs (a) through (d) of this section if:

- (1) The owner or operator determines that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner;
- (2) The process unit within which the agitator is located is an existing source or the owner or operator designates less than three percent of the total number of agitators in a new source as difficult-to-monitor; and
- (3) The owner or operator follows a written plan that requires monitoring of the agitator at least once per calendar year.

(i) Any agitator that is obstructed by equipment or piping that prevents access to the agitator by a monitor probe is exempt from the monitoring requirements of paragraphs (a) through (d) of this section.

(j) Any agitator that is designated, as described in §63.181(b)(7)(i) of this subpart, as an unsafe-to-monitor agitator is exempt from the requirements of paragraphs (a) through (d) of this section if:

- (1) The owner or operator of the agitator determines that



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraphs (a) through (d) of this section; and

(2) The owner or operator of the agitator has a written plan that requires monitoring of the agitator as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable.

Reference Test Method: 40 CFR 63.180(b)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 126: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.174(a), Subpart H

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All connectors in gas/vapor and light liquid service shall be monitored to detect leaks by the method specified in 40CFR63.180(b). If an instrument reading of 500 ppm or more is measured, a leak is detected. Pursuant to §63.174 paragraph (d), the leak shall be repaired as soon as practicable, but no later than 15 calendar days after detection, and a first attempt at repair shall be made within 5 calendar days after detection.

Pursuant to §63.174 paragraph (b), connectors shall be

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



monitored at the following frequencies:

Once per year, if the percent leaking connectors in the process unit was 0.5 percent or greater during the last required annual or biennial monitoring period.

Once every 2 years, if the percent leaking connectors was less than 0.5 during the last required monitoring period. Compliance may be attained by monitoring at least 40% of the connectors in the first year and the remainder in the second year. The percent leaking connectors will be calculated using all monitoring done in the two year period.

If a process unit in a biennial leak detection and repair program calculates less than 0.5 percent leaking connectors from the 2-year period, the connectors may be monitored once every 4 years. Compliance may be attained by monitoring at least 20% of the connectors during each year until all connectors have been monitored within 4 years.

If a process unit is complying with these requirements using a 4-year monitoring program, and has greater than 0.5 percent leaking connectors but less than 1.0 percent, the monitoring frequency shall be increased to one time every 2 years. If the percent leaking connectors in the 4-year period is greater than 1.0 percent, the monitoring frequency shall be increased to once every year.

Pursuant to §63.174 paragraph (i), to determine the monitoring frequency, the following calculation shall be used to determine the percent leaking connectors (%Cl)

$$\%Cl = [(Cl-Can)/(Ct+Cc)]*100$$

where:

Cl = number of connectors, including nonrepairables, measured at 500 ppm or greater

Can = number of allowable nonrepairable connectors, not to exceed 2% of the total connector population

Ct = total number of connectors that were monitored, including nonrepairables, in the process unit

Cc = optional credit for removed connectors = 0.67*net number (total removed-total added) of connectors in

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



organic HAP service removed from the process unit after the compliance date

Optional credit for removed connectors: Pursuant to §63.174 paragraph (j) if an owner or operator eliminates a connector subject to monitoring under §63.174 paragraph (b), the owner or operator may receive credit for elimination of the connector, as described in §63.174 paragraph (i), provided the requirements in §63.174 paragraphs (j)(1) through (j)(4) are met as follows.

(1) The connector was welded after the date of proposal of the specific subpart that references this subpart.

(2) The integrity of the weld is demonstrated by monitoring it according to the procedures in § 63.180(b) of this subpart or by testing using X-ray, acoustic monitoring, hydrotesting, or other applicable method.

(3) Welds created after the date of proposal but before the date of promulgation of a specific subpart that references this subpart are monitored or tested by 3 months after the compliance date specified in the applicable subpart.

(4) Welds created after promulgation of the subpart that references this subpart are monitored or tested within 3 months after being welded.

(5) If an inadequate weld is found or the connector is not welded completely around the circumference, the connector is not considered a welded connector and is therefore not exempt from the provisions of this subpart.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

**Condition 127: Connectors in gas/vapor or light liquid service - provisions for sealed connectors
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.174(c)(1)(i), Subpart H

Item 127.1:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

This Condition applies to Emission Unit: U-BMS01

Item 127.2:

Each connector that has been opened or has otherwise had the seal broken shall be monitored for leaks when it is reconnected or within the first 3 months after being returned to organic HAP service. If a leak is detected, it shall be repaired according to the provisions in 40CFR63.174(d) or be deemed nonrepairable.

Pursuant to §63.174 paragraph (c)(1)(ii) as an alternative, owner/operator may choose not to monitor connectors that have been opened or otherwise had the seal broken. In this case, the connector may not be counted as nonrepairable, but shall be calculated as a leaking connector for all monitoring periods.

Per §63.174 paragraph (c)(1)(iii), the owner or operator may switch alternatives described in paragraphs above at the end of the current monitoring period he is in, provided that it is reported as required in § 63.182 of this subpart and begin the new alternative in annual monitoring. The initial monitoring in the new alternative shall be completed no later than 12 months after reporting the switch.

Condition 128: Connectors in gas/vapor or light liquid service - screwed connectors
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.174(e)(2), Subpart H

Item 128.1:

This Condition applies to Emission Unit: U-BMS01

Item 128.2:

As an alternative to the monitoring requirements for connectors, each screwed connector that is 2 inches or less in nominal inside diameter may comply with 40CFR63.169 and be monitored for leaks within the first 3 months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If that monitoring detects a leak, it shall be repaired according to the provisions in 40CFR63.174(d).

This applies to screwed connectors that were installed before December 31, 1992 for sources subject to Subparts F or I, or installed before the proposal date of the applicable subpart which references this provision.

Condition 129: Connectors in gas/vapor or light liquid service - unsafe-to-monitor
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.174(f), Subpart H

Item 129.1:

This Condition applies to Emission Unit: U-BMS01

Item 129.2:

Any connector that is designated as unsafe-to-monitor is exempt from the monitoring requirements for



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

connectors if it is determined that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with this section and there is a written plan that requires monitoring of the connector as frequently as practicable during safe-to-monitor periods but not more frequently than the periodic schedule otherwise applicable.

Condition 130: Connectors in gas/vapor or light liquid service - unsafe-to-repair
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.174(g), Subpart H

Item 130.1:

This Condition applies to Emission Unit: U-BMS01

Item 130.2:

Any connector that is designated as unsafe-to-repair is exempt from the monitoring and leak repair provisions for connectors if it is determined that repair personnel would be exposed to an immediate danger as a consequence of complying with the repair provisions and the connector will be repaired before the end of the next scheduled process unit shutdown.

Condition 131: Connectors in gas/vapor or light liquid service - inaccessible or ceramic connectors
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.174(h)(1), Subpart H

Item 131.1:

This Condition applies to Emission Unit: U-BMS01

Item 131.2:

Any connector that is inaccessible or is ceramic or ceramic-lined is exempt from the monitoring requirements and from the recordkeeping and reporting requirements for connectors. Pursuant to §63.174 paragraph (h)(2), if an inaccessible, ceramic, or ceramic-lined connector is observed by visual, audible, olfactory, or other means to be leaking, the leak shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected. Pursuant to paragraph (h)(3), a first attempt at repair shall be made no later than 5 calendar days after detection.

An inaccessible connector is defined in 40CFR63.174(h)(1)(i)-(vi).

Condition 132: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.175, Subpart H

Item 132.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) In Phase III, an owner or operator may elect to comply with one of the alternative quality improvement programs specified in paragraphs (d) and (e) of this section. The decision to use one of these alternative provisions to comply with the requirements of Sec. 63.168(d)(1)(ii) of this subpart must be made during the first year of Phase III for existing process units and for new process units.

(b) An owner or operator of a process unit subject to the requirements of paragraph (d) or (e) of this section shall comply with those requirements until the process unit has fewer than 2 percent leaking valves, calculated as a rolling average of 2 consecutive quarters, as specified in Sec. 63.168(e) of this subpart.

(c) After the process unit has fewer than 2 percent leaking valves, the owner or operator may elect to comply with the requirements in Sec. 63.168 of this subpart, to continue to comply with the requirements in paragraph (e) (or (d), if appropriate) of this section, or comply with both the requirements in Sec. 63.168 and Sec. 63.175.

(1) If the owner or operator elects to continue the quality improvement program, the owner or operator is exempt from the requirements for performance trials as specified in paragraph (e)(6) of this section, or further progress as specified in paragraph (d)(4) of this section, as long as the process unit has fewer than 2 percent leaking valves calculated according to Sec. 63.168(e).

(2) If the owner or operator elects to comply with both paragraph (e) of this section and Sec. 63.168 of this subpart, he may also take advantage of the lower monitoring frequencies associated with lower leak rates in Sec. 63.168 (d)(2), (d)(3), and (d)(4) of this subpart.

(3) If the owner or operator elects not to continue the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



quality improvement program, the program is no longer an option if the process unit again exceeds 2 percent leaking valves, and in such case, monthly monitoring will be required.

(d) The following requirements shall be met if an owner or operator elects to use a quality improvement program to demonstrate further progress:

(1) The owner or operator shall continue to comply with the requirements in Sec. 63.168 of this subpart except each valve shall be monitored quarterly.

(2) The owner or operator shall collect the following data, and maintain records as required in Sec. 63.181(h)(1) of this subpart, for each valve in each process unit subject to the quality improvement program:

(i) The maximum instrument reading observed in each monitoring observation before repair, the response factor for the stream if appropriate, the instrument model number, and date of the observation.

(ii) Whether the valve is in gas or light liquid service.

(iii) If a leak is detected, the repair methods used and the instrument readings after repair.

(3) The owner or operator shall continue to collect data on the valves as long as the process unit remains in the quality improvement program.

(4) The owner or operator must demonstrate progress in reducing the percent leaking valves each quarter the process unit is subject to the requirements of paragraph (d) of this section, except as provided in paragraphs (d)(4)(ii) and (d)(4)(iii) of this section.

(i) Demonstration of progress shall mean that for each quarter there is at least a 10-percent reduction in the percent leaking valves from the percent leaking valves determined for the preceding monitoring period. The percent leaking valves shall be calculated as a rolling average of two consecutive quarters of monitoring data. The percent reduction shall be calculated using the rolling average percent leaking valves, according to the following:

$$\%LVR = (\%LVAVG1 - \%LVAVG2) / \%LVAVG1 \times 100$$

where:

%LVR=Percent leaking valve reduction.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



$$\%LVAVG1=(\%VLi + \%VLi=1)/2.$$

$$\%LVAVG2=(\%VLi=1 + \%VLi=2)/2.$$

where:

$\%VLi$, $\%VLi=1$, $\%VLi=2$

are percent leaking valves calculated for subsequent monitoring periods, i , $i+1$, $i+2$.

(ii) An owner or operator who fails for two consecutive rolling averages to demonstrate at least a 10-percent reduction per quarter in percent leaking valves, and whose overall average percent reduction based on two or more rolling averages is less than 10 percent per quarter, shall either comply with the requirements in Sec. 63.168(d)(1)(i) of this subpart using monthly monitoring or shall comply using a quality improvement program for technology review as specified in paragraph (e) of this section. If the owner or operator elects to comply with the requirements of paragraph (e) of this section, the schedule for performance trials and valve replacements remains as specified in paragraph (e) of this section.

(iii) As an alternative to the provisions in paragraph (d)(4)(i), an owner or operator may use the procedure specified in paragraphs (d)(4)(iii)(A) and (d)(4)(iii)(B) of this section to demonstrate progress in reducing the percent leaking valves.

(A) The percent reduction that must be achieved each quarter shall be calculated as follows:

$$\%RR= (\%VL-2\%)/0.10$$

$\%RR$ = percent reduction required each quarter, as calculated according to Sec. 63.168(e)

$\%VL$ = percent leaking valves, calculated according to Sec. 63.168(e), at the time elected to use provisions of Sec. 63.168(d)(1)(ii)

(B) The owner or operator shall achieve less than 2 percent leaking valves no later than 2 years after electing to use the demonstration of progress provisions in Sec. 63.175(d) of this subpart.

(e) The following requirements shall be met if an owner or operator elects to use a quality improvement program of technology review and improvement:

(1) The owner or operator shall comply with the



requirements in Sec. 63.168 of this subpart except the requirement for monthly monitoring in Sec. 63.168(d)(1)(i) of this subpart does not apply.

(2) The owner or operator shall collect the data specified below, and maintain records as required in Sec. 63.181(h)(2), for each valve in each process unit subject to the quality improvement program. The data may be collected and the records may be maintained on a process unit or group of process units basis. The data shall include the following:

(i) Valve type (e.g., ball, gate, check); valve manufacturer; valve design (e.g., external stem or actuating mechanism, flanged body); materials of construction; packing material; and year installed.

(ii) Service characteristics of the stream such as operating pressure, temperature, line diameter, and corrosivity.

(iii) Whether the valve is in gas or light liquid service.

(iv) The maximum instrument readings observed in each monitoring observation before repair, response factor for the stream if adjusted, instrument model number, and date of the observation.

(v) If a leak is detected, the repair methods used and the instrument readings after repair.

(vi) If the data will be analyzed as part of a larger analysis program involving data from other plants or other types of process units, a description of any maintenance or quality assurance programs used in the process unit that are intended to improve emission performance.

(3) The owner or operator shall continue to collect data on the valves as long as the process unit remains in the quality improvement program.

20(4) The owner or operator shall inspect all valves removed from the process unit due to leaks. The inspection shall determine which parts of the valve have failed and shall include recommendations, as appropriate, for design changes or changes in specifications to reduce leak potential.

(5)(i) The owner or operator shall analyze the data collected to comply with the requirements of paragraph (e)(2) of this section to determine the services, operating or maintenance practices, and valve designs or technologies that have poorer than average emission performance and those that have better than average emission performance. The analysis shall determine if specific trouble areas can be identified on the basis of service, operating conditions or maintenance practices,



equipment design, or other process specific factors.

(ii) The analysis shall also be used to identify any superior performing valve technologies that are applicable to the service(s), operating conditions, or valve designs associated with poorer than average emission performance. A superior performing valve technology is one for which a group of such valves has a leak frequency of less than 2 percent for specific applications in such a process unit.

A candidate superior performing valve technology is one demonstrated or reported in the available literature or through a group study as having low emission performance and as being capable of achieving less than 2 percent leaking valves in the process unit.

(iii) The analysis shall include consideration of:

(A) The data obtained from the inspections of valves removed from the process unit due to leaks,

(B) Information from the available literature and from the experience of other plant sites that will identify valve designs or technologies and operating conditions associated with low emission performance for specific services, and

(C) Information on limitations on the service conditions for the valve design and operating conditions as well as information on maintenance procedures to ensure continued low emission performance.

(iv) The data analysis may be conducted through an inter- or intra-company program (or through some combination of the two approaches) and may be for a single process unit, a company, or a group of process units.

(v) The first analysis of the data shall be completed no later than 18 months after the start of Phase III. The first analysis shall be performed using a minimum of two quarters of data. An analysis of the data shall be done each year the process unit is in the quality improvement program.

(6) A trial evaluation program shall be conducted at each plant site for which the data analysis does not identify superior performing valve designs or technologies that can be applied to the operating conditions and services identified as having poorer than average performance, except as provided in paragraph (e)(6)(v) of this section. The trial program shall be used to evaluate the feasibility of using in the process unit the valve designs or technologies that have been identified by others as having low emission performance.

(i) The trial program shall include on-line trials of valves or operating and maintenance practices that have been identified in the available literature or in analysis



by others as having the ability to perform with leak rates below 2 percent in similar services, as having low probability of failure, or as having no external actuating mechanism in contact with the process fluid. If any of the candidate superior performing valve technologies is not included in the performance trials, the reasons for rejecting specific technologies from consideration shall be documented as required in Sec. 63.181(h)(5)(ii) of this subpart.

(ii) The number of valves in the trial evaluation program shall be the lesser of 1 percent or 20 valves for programs involving single process units and the lesser of 1 percent or 50 valves for programs involving groups of process units.

(iii) The trial evaluation program shall specify and include documentation of:

(A) The candidate superior performing valve designs or technologies to be evaluated, the stages for evaluating the identified candidate valve designs or technologies, including the estimated time period necessary to test the applicability;

(B) The frequency of monitoring or inspection of the equipment;

(C) The range of operating conditions over which the component will be evaluated; and

(D) Conclusions regarding the emission performance and the appropriate operating conditions and services for the trial valves.

(iv) The performance trials shall initially be conducted for, at least, a 6-month period beginning not later than 18 months after the start of Phase III. Not later than 24 months after the start of Phase III, the owner or operator shall have identified valve designs or technologies that, combined with appropriate process, operating, and maintenance practices, operate with low emission performance for specific applications in the process unit. The owner or operator shall continue to conduct performance trials as long as no superior performing design or technology has been identified, except as provided in paragraph (e)(6)(vi) of this section. The compilation of candidate and demonstrated superior emission performance valve designs or technologies shall be amended in the future, as appropriate, as additional information and experience is obtained.

(v) Any plant site with fewer than 400 valves and owned by a corporation with fewer than 100 total employees shall be exempt from trial evaluations of valves. Plant sites exempt from the trial evaluations of valves shall begin



the program at the start of the fourth year of Phase III.

(vi) An owner or operator who has conducted performance trials on all candidate superior emission performance technologies suitable for the required applications in the process unit may stop conducting performance trials provided that a superior performing design or technology has been demonstrated or there are no technically feasible candidate superior technologies remaining. The owner or operator shall prepare an engineering evaluation documenting the physical, chemical, or engineering basis for the judgment that the superior emission performance technology is technically infeasible or demonstrating that it would not reduce emissions.

(7) Each owner or operator who elects to use a quality improvement program for technology review and improvement shall prepare and implement a valve quality assurance program that details purchasing specifications and maintenance procedures for all valves in the process unit. The quality assurance program may establish any number of categories, or classes, of valves as needed to distinguish among operating conditions and services associated with poorer than average emission performance as well as those associated with better than average emission performance. The quality assurance program shall be developed considering the findings of the data analysis required under paragraph (e)(5) of this section, if applicable, the findings of the trial evaluation required in paragraph (e)(6) of this section, and the operating conditions in the process unit. The quality assurance program shall be reviewed and, as appropriate, updated each year as long as the process unit has 2 percent or more leaking valves.

(i) The quality assurance program shall:

(A) Establish minimum design standards for each category of valves. The design standards shall specify known critical parameters such as tolerance, manufacturer, materials of construction, previous usage, or other applicable identified critical parameters;

(B) Require that all equipment orders specify the design standard (or minimum tolerances) for the valve;

(C) Include a written procedure for bench testing of valves that specifies performance criteria for acceptance of valves and specifies criteria for the precision and accuracy of the test apparatus. All valves repaired off-line after preparation of the quality assurance plan shall be bench-tested for leaks. This testing may be conducted by the owner or operator of the process unit, by

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



the vendor, or by a designated representative. The owner or operator shall install only those valves that have been documented through bench-testing to be nonleaking.

(D) Require that all valves repaired on-line be monitored using the method specified in Sec. 63.180(b) of this subpart for leaks for 2 successive months, after repair.

(E) Provide for an audit procedure for quality control of purchased equipment to ensure conformance with purchase specifications. The audit program may be conducted by the owner or operator of the process unit or by a designated representative.

(F) Detail off-line valve maintenance and repair procedures. These procedures shall include provisions to ensure that rebuilt or refurbished valves will meet the design specifications for the valve type and will operate such that emissions are minimized.

(ii) The quality assurance program shall be established no later than the start of the third year of Phase III for plant sites with 400 or more valves or owned by a corporation with 100 or more employees; and no later than the start of the fourth year of Phase III for plant sites with less than 400 valves and owned by a corporation with less than 100 employees.

(8) Beginning at the start of the third year of Phase III for plant sites with 400 or more valves or owned by a corporation with 100 or more employees and at the start of the fourth year of Phase III for plant sites with less than 400 valves and owned by a corporation with less than 100 employees, each valve that is replaced for any reason shall be replaced with a new or modified valve that complies with the quality assurance standards for the valve category and that is identified as superior emission performance technology. Superior emission performance technology means valves or valve technologies identified with emission performance that, combined with appropriate process, operating, and maintenance practices, will result in less than 2 percent leaking valves for specific applications in a large population, except as provided in paragraph (e)(8)(ii) of this section.

(i) The valves shall be maintained as specified in the quality assurance program.

(ii) If a superior emission performance technology cannot be identified, then valve replacement shall be with one of (if several) the lowest emission performance technologies that has been identified for the specific application.

Monitoring Frequency: AS REQUIRED - SEE MONITORING

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 133: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.176, Subpart H

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 133.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) In Phase III, if, on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit (or plant site) or three pumps in a process unit (or plant site) leak, the owner or operator shall comply with the requirements of this section as specified below:

(1) Pumps that are in food/medical service or in polymerizing monomer service shall comply with all requirements except for those specified in paragraph (d)(8) of this section.

(2) Pumps that are not in food/medical or polymerizing monomer service shall comply with all requirements of this section.

(b) The owner or operator shall comply with the requirements of this section until the number of leaking pumps is less than the greater of either 10 percent of the pumps or three pumps, calculated as a 6-month rolling average, in the process unit (or plant site). Once the performance level is achieved, the owner or operator shall comply with the requirements in Sec. 63.163 of this subpart.

(c) If in a subsequent monitoring period, the process unit (or plant site) has greater than 10 percent of the pumps

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



leaking or three pumps leaking (calculated as a 6-month rolling average), the owner or operator shall resume the quality improvement program starting at performance trials.

(d) The quality improvement program shall include the following:

(1) The owner or operator shall comply with the requirements in Sec. 63.163 of this subpart.

(2) The owner or operator shall collect the following data, and maintain records as required in Sec. 63.181(h)(3), for each pump in each process unit (or plant site) subject to the quality improvement program. The data may be collected and the records may be maintained on a process unit or plant site basis.

(i) Pump type (e.g., piston, horizontal or vertical centrifugal, gear, bellows); pump manufacturer; seal type and manufacturer; pump design (e.g., external shaft, flanged body); materials of construction; if applicable, barrier fluid or packing material; and year installed.

(ii) Service characteristics of the stream such as discharge pressure, temperature, flow rate, corrosivity, and annual operating hours.

(iii) The maximum instrument readings observed in each monitoring observation before repair, response factor for the stream if appropriate, instrument model number, and date of the observation.

(iv) If a leak is detected, the repair methods used and the instrument readings after repair.

(v) If the data will be analyzed as part of a larger analysis program involving data from other plants or other types of process units, a description of any maintenance or quality assurance programs used in the process unit that are intended to improve emission performance.

(3) The owner or operator shall continue to collect data on the pumps as long as the process unit (or plant site) remains in the quality improvement program.

(4) The owner or operator shall inspect all pumps or pump seals which exhibited frequent seal failures and were removed from the process unit due to leaks. The inspection shall determine the probable cause of the pump seal failure or of the pump leak and shall include recommendations, as appropriate, for design changes or changes in specifications to reduce leak potential.

(5)(i) The owner or operator shall analyze the data collected to comply with the requirements of paragraph (d)(2) of this section to determine the services,

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



operating or maintenance practices, and pump or pump seal designs or technologies that have poorer than average emission performance and those that have better than average emission performance. The analysis shall determine if specific trouble areas can be identified on the basis of service, operating conditions or maintenance practices, equipment design, or other process specific factors.

(ii) The analysis shall also be used to determine if there are superior performing pump or pump seal technologies that are applicable to the service(s), operating conditions, or pump or pump seal designs associated with poorer than average emission performance. A superior performing pump or pump seal technology is one with a leak frequency of less than 10 percent for specific applications in the process unit or plant site. A candidate superior performing pump or pump seal technology is one demonstrated or reported in the available literature or through a group study as having low emission performance and as being capable of achieving less than 10 percent leaking pumps in the process unit (or plant site).

(iii) The analysis shall include consideration of:

(A) The data obtained from the inspections of pumps and pump seals removed from the process unit due to leaks;

(B) Information from the available literature and from the experience of other plant sites that will identify pump designs or technologies and operating conditions associated with low emission performance for specific services; and

(C) Information on limitations on the service conditions for the pump seal technology operating conditions as well as information on maintenance procedures to ensure continued low emission performance.

(iv) The data analysis may be conducted through an inter- or intra- company program (or through some combination of the two approaches) and may be for a single process unit, a plant site, a company, or a group of process units.

(v) The first analysis of the data shall be completed no later than 18 months after the start of the quality improvement program. The first analysis shall be performed using a minimum of 6 months of data. An analysis of the data shall be done each year the process unit is in the quality improvement program.

(6) A trial evaluation program shall be conducted at each plant site for which the data analysis does not identify use of superior performing pump seal technology or pumps that can be applied to the areas identified as having

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



poorer than average performance, except as provided in paragraph (d)(6)(v) of this section. The trial program shall be used to evaluate the feasibility of using in the process unit (or plant site) the pump designs or seal technologies, and operating and maintenance practices that have been identified by others as having low emission performance.

(i) The trial program shall include on-line trials of pump seal technologies or pump designs and operating and maintenance practices that have been identified in the available literature or in analysis by others as having the ability to perform with leak rates below 10 percent in similar services, as having low probability of failure, or as having no external actuating mechanism in contact with the process fluid. If any of the candidate superior performing pump seal technologies or pumps is not included in the performance trials, the reasons for rejecting specific technologies from consideration shall be documented as required in Sec. 63.181(h)(5)(ii).

0

(ii) The number of pump seal technologies or pumps in the trial evaluation program shall be the lesser of 1 percent or two pumps for programs involving single process units and the lesser of 1 percent or five pumps for programs involving a plant site or groups of process units. The minimum number of pumps or pump seal technologies in a trial program shall be one.

(iii) The trial evaluation program shall specify and include documentation of:

(A) The candidate superior performing pump seal designs or technologies to be evaluated, the stages for evaluating the identified candidate pump designs or pump seal technologies, including the time period necessary to test the applicability;

(B) The frequency of monitoring or inspection of the equipment;

(C) The range of operating conditions over which the component will be evaluated; and

(D) Conclusions regarding the emission performance and the appropriate operating conditions and services for the trial pump seal technologies or pumps.

(iv) The performance trials shall initially be conducted, at least, for a 6-month period beginning not later than 18 months after the start of the quality improvement program. No later than 24 months after the start of the quality improvement program, the owner or operator shall have identified pump seal technologies or pump designs that, combined with appropriate process, operating, and

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



maintenance practices, operate with low emission performance for specific applications in the process unit. The owner or operator shall continue to conduct performance trials as long as no superior performing design or technology has been identified, except as provided in paragraph (d)(6)(vi) of this section. The initial list of superior emission performance pump designs or pump seal technologies shall be amended in the future, as appropriate, as

additional information and experience is obtained.

(v) Any plant site with fewer than 400 valves and owned by a corporation with fewer than 100 employees shall be exempt from trial evaluations of pump seals or pump designs. Plant sites exempt from the trial evaluations of pumps shall begin the pump seal or pump replacement program at the start of the fourth year of the quality improvement program.

(vi) An owner or operator who has conducted performance trials on all alternative superior emission performance technologies suitable for the required applications in the process unit may stop conducting performance trials provided that a superior performing design or technology has been demonstrated or there are no technically feasible alternative superior technologies remaining. The owner or operator shall prepare an engineering evaluation documenting the physical, chemical, or engineering basis for the judgment that the superior emission performance technology is technically infeasible or demonstrating that it would not reduce emissions.

(7) Each owner or operator shall prepare and implement a pump quality assurance program that details purchasing specifications and maintenance procedures for all pumps and pump seals in the process unit. The quality assurance program may establish any number of categories, or classes, of pumps as needed to distinguish among operating conditions and services associated with poorer than average emission performance as well as those associated with better than average emission performance. The quality assurance program shall be developed considering the findings of the data analysis required under paragraph (d)(5) of this section, if applicable, the findings of the trial evaluation required in paragraph (d)(6) of this section, and the operating conditions in the process unit. The quality assurance program shall be updated each year as long as the process unit has the greater of either 10 percent or more leaking pumps or has three leaking pumps.

(i) The quality assurance program shall:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- (A) Establish minimum design standards for each category of pumps or pump seal technology. The design standards shall specify known critical parameters such as tolerance, manufacturer, materials of construction, previous usage, or other applicable identified critical parameters;
 - (B) Require that all equipment orders specify the design standard (or minimum tolerances) for the pump or the pump seal;
 - (C) Provide for an audit procedure for quality control of purchased equipment to ensure conformance with purchase specifications. The audit program may be conducted by the owner or operator of the plant site or process unit or by a designated representative; and
 - (D) Detail off-line pump maintenance and repair procedures. These procedures shall include provisions to ensure that rebuilt or refurbished pumps and pump seals will meet the design specifications for the pump category and will operate such that emissions are minimized.
 - (ii) The quality assurance program shall be established no later than the start of the third year of the quality improvement program for plant sites with 400 or more valves or 100 or more employees; and no later than the start of the fourth year of the quality improvement program for plant sites with less than 400 valves and less than 100 employees.
- (8) Beginning at the start of the third year of the quality improvement program for plant sites with 400 or more valves or 100 or more employees and at the start of the fourth year of the quality improvement program for plant sites with less than 400 valves and less than 100 employees, the owner or operator shall replace, as described in paragraphs (d)(8)(i) and (d)(8)(ii) of this section, the pumps or pump seals that are not superior emission performance technology with pumps or pump seals that have been identified as superior emission performance technology and that comply with the quality assurance standards for the pump category. Superior emission performance technology is that category or design of pumps or pump seals with emission performance which, when combined with appropriate process, operating, and maintenance practices, will result in less than 10 percent leaking pumps for specific applications in the process unit or plant site. Superior emission performance technology includes material or design changes to the existing pump, pump seal, seal support system, installation of multiple mechanical seals or equivalent, or pump replacement.
- (i) Pumps or pump seals shall be replaced at the rate of



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

20 percent per year based on the total number of pumps in light liquid service. The calculated value shall be rounded to the nearest nonzero integer value. The minimum number of pumps or pump seals shall be one. Pump replacement shall continue until all pumps subject to the requirements of Sec. 63.163 of this subpart are pumps determined to be superior performance technology.

(ii) The owner or operator may delay replacement of pump seals or pumps with superior technology until the next planned process unit shutdown, provided the number of pump seals and pumps replaced is equivalent to the 20 percent or greater annual replacement rate.

(iii) The pumps shall be maintained as specified in the quality assurance program.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 134: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.178(a), Subpart H

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Alternative means of emission limitation: Batch Process.

(a) As an alternative to complying with the requirements of sections 63.163 through 63.171 and 63.173 through 63.176, an owner or operator of a batch process that



operates in organic HAP service during the calendar year may comply with one of the standards specified in paragraphs (b) and (c) of this section, or the owner or operator may petition for approval of an alternative standard under the provisions of section 63.177 of this subpart. The alternative standards of this section provide the options of pressure testing or monitoring the equipment for leaks. The owner or operator may switch among the alternatives provided the change is documented as specified in section 63.181.

(b) Pursuant to §63.178(b) The following requirements shall be met if an owner or operator elects to use pressure testing of batch product-process equipment to demonstrate compliance with this subpart. An owner or operator who complies with the provisions of this paragraph is exempt from the monitoring provisions of §63.163, §§63.168 and 63.169, and §§63.173 through 63.176 of this subpart.

d

(1) Each time equipment is reconfigured for production of a different product or intermediate, the batch product-process equipment train shall be pressure-tested for leaks before organic HAP is first fed to the equipment and the equipment is placed in organic HAP service.

(i) When the batch product-process train is reconfigured to produce a different product, pressure testing is required only for the new or disturbed equipment.

(ii) Each batch product process that operates in organic HAP service during a calendar year shall be pressure tested at least once during that calendar year.

(iii) Pressure testing is not required for routine seal breaks, such as changing hoses or filters, which are not part of the reconfiguration to produce a different product or intermediate.

(2) The batch product process equipment shall be tested either using the procedures specified in §63.180(f) of this subpart for pressure or vacuum loss or with a liquid using the procedures specified in §63.180(g) of this subpart.

(3)(i) For pressure or vacuum tests, a leak is detected if the rate of change in pressure is greater than 6.9 kilopascals (1 psig) in 1 hour or if there is visible, audible, or olfactory evidence of fluid loss.

(ii) For pressure tests using a liquid, a leak is detected if there are indications of liquids dripping or if there is other evidence of fluid loss.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



(4)(i) If a leak is detected, it shall be repaired and the batch product-process equipment shall be retested before start-up of the process.

(ii) If a batch product-process fails the retest or the second of two consecutive pressure tests, it shall be repaired as soon as practicable, but not later than 30 calendar days after the second pressure test, provided the conditions specified in paragraph (d) of this section are met.

(c) Pursuant to §63.178(c), the following requirements shall be met if an owner or operator elects to monitor the equipment to detect leaks by the method specified in § 63.180(b) of this subpart to demonstrate compliance with this subpart.

(1) The owner or operator shall comply with the requirements of §§ 63.163 through 63.170, and §§ 63.172 through 63.176 of this subpart.

(2) The equipment shall be monitored for leaks by the method specified in § 63.180(b) of this subpart when the equipment is in organic HAP service, in use with an acceptable surrogate volatile organic compound which is not an organic HAP, or is in use with any other detectable gas or vapor.

(3) The equipment shall be monitored for leaks as specified below:

(i) Each time the equipment is reconfigured for the production of a new product, the reconfigured equipment shall be monitored for leaks within 30 days of start-up of the process. This initial monitoring of reconfigured equipment shall not be included in determining percent leaking equipment in the process unit.

(ii) Connectors shall be monitored in accordance with the requirements in § 63.174 of this subpart.

(iii) Equipment other than connectors shall be monitored at the frequencies specified in table 1 of this subpart.

The operating time shall be determined as the proportion of the year the batch product-process that is subject to the provisions of this subpart is operating.

(iv) The monitoring frequencies specified in table 1 of this subpart are not requirements for monitoring at specific intervals and can be adjusted to accommodate process operations. An owner or operator may monitor anytime during the specified monitoring period (e.g., month, quarter, year), provided the monitoring is conducted at a reasonable interval after completion of the last monitoring campaign. For example, if the equipment is



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

not operating during the scheduled monitoring period, the monitoring can be done during the next period when the process is operating.

(4) If a leak is detected, it shall be repaired as soon as practicable but not later than 15 calendar days after it

is detected, except as provided in paragraph (d) of this section.

(d) Pursuant to §63.178(d), delay of repair of equipment for which leaks have been detected is allowed if the replacement equipment is not available providing the following conditions are met:

(1) Equipment supplies have been depleted and supplies had been sufficiently stocked before the supplies were depleted.

(2) The repair is made no later than 10 calendar days after delivery of the replacement equipment.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 135: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.179, Subpart H

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Item 135.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Process units enclosed in such a manner that all emissions from equipment leaks are vented through a closed-vent system to a control device meeting the requirements of § 63.172 of this subpart are exempt from the requirements of § 63.163, through 63.171, and §§



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

63.173 and 63.174 of this subpart. The enclosure shall be maintained under a negative pressure at all times while the process unit is in operation to ensure that all emissions are routed to a control device.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 136: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.180, Subpart H

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Each owner or operator subject to the provisions of this subpart shall comply with the test methods and procedures requirements provided in this section.

(b) Monitoring, as required under this subpart, shall comply with the following requirements:

(1) Monitoring shall comply with Method 21 of 40 CFR part 60, appendix A.

(2)(i) Except as provided for in paragraph (b)(2)(ii) of this section, the detection instrument shall meet the performance criteria of Method 21 of 40 CFR part 60, appendix A, except the instrument response factor criteria in Section 3.1.2(a) of Method 21 shall be for the average composition of the process fluid not each individual VOC in the stream. For process streams that contain nitrogen, water, air, or other inerts which are not organic HAP's or VOC's, the average stream response factor may be calculated on an inert-free basis. The response factor may be determined at any concentration for which monitoring for leaks will be conducted.

(ii) If no instrument is available at the plant site that



will meet the performance criteria specified in paragraph (b)(2)(i) of this section, the instrument readings may be adjusted by multiplying by the average response factor of the process fluid, calculated on an inert-free basis as described in paragraph (b)(2)(i) of this section.

(3) The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21 of 40 CFR part 60, appendix A.

(4) Calibration gases shall be:

(i) Zero air (less than 10 parts per million of hydrocarbon in air); and

(ii) Mixtures of methane in air at the concentrations specified in paragraphs (b)(4)(ii)(A) through (b)(4)(ii)(C) of this section. A calibration gas other than methane in air may be used if the instrument does not respond to methane or if the instrument does not meet the performance criteria specified in paragraph (b)(2)(i) of this section. In such cases, the calibration gas may be a mixture of one or more of the compounds to be measured in air.

(A) For Phase I, a mixture of methane or other compounds, as applicable, in air at a concentration of approximately, but less than, 10,000 parts per million.

(B) For Phase II, a mixture of methane or other compounds, as applicable, and air at a concentration of approximately, but less than, 10,000 parts per million for agitators, 5,000 parts per million for pumps, and 500 parts per million for all other equipment, except as provided in paragraph (b)(4)(iii) of this section.

(C) For Phase III, a mixture of methane or other compounds, as applicable, and air at a concentration of approximately, but less than, 10,000 parts per million methane for agitators; 2,000 parts per million for pumps in food/medical service; 5,000 parts per million for pumps in polymerizing monomer service; 1,000 parts per million for all other pumps; and 500 parts per million for all other equipment, except as provided in paragraph (b)(4)(iii) of this section.

p0

(iii) The instrument may be calibrated at a higher methane concentration than the concentration specified for that piece of equipment. The concentration of the calibration gas may exceed the concentration specified as a leak by no more than 2,000 parts per million. If the monitoring instrument's design allows for multiple calibration scales, then the lower scale shall be calibrated with a calibration gas that is no higher than 2,000 parts per million above the concentration specified as a leak and the highest scale shall be calibrated with a calibration



gas that is approximately equal to 10,000 parts per million. If only one scale on an instrument will be used during monitoring, the owner or operator need not calibrate the scales that will not be used during that day's monitoring.

(5) Monitoring shall be performed when the equipment is in organic HAP service, in use with an acceptable surrogate volatile organic compound which is not an organic HAP, or is in use with any other detectable gas or vapor.

(6) Monitoring data that do not meet the criteria specified in paragraphs (b)(1) through (b)(5) of this section may be used to qualify for less frequent monitoring under the provisions in Sec. 63.168(d)(2) and (d)(3) or Sec. 63.174(b)(3)(ii) or (b)(3)(iii) of this subpart provided the data meet the conditions specified in paragraphs (b)(6)(i) and (b)(6)(ii) of this section.

(i) The data were obtained before April 22, 1994.

(ii) The departures from the criteria specified in paragraphs (b)(1) through (b)(5) of this section or from the specified monitoring frequency of Sec. 63.168(c) are minor and do not significantly affect the quality of the data. Examples of minor departures are monitoring at a slightly different frequency (such as every six weeks instead of monthly or quarterly), following the performance criteria of section 3.1.2(a) of Method 21 of appendix A of 40 CFR part 60 instead of paragraph (b)(2) of this section, or monitoring at a different leak definition if the data would indicate the presence or absence of a leak at the concentration specified in this subpart. Failure to use a calibrated instrument is not considered a minor departure.

(c) When equipment is monitored for compliance as required in Secs. 63.164(i), 63.165(a),

and 63.172(f) or when equipment subject to a leak definition of 500 ppm is monitored for leaks as required by this subpart, the owner or operator may elect to adjust or not to adjust the instrument readings for background.

If an owner or operator elects to not adjust instrument readings for background, the owner or operator shall monitor the equipment according to the procedures specified in paragraphs (b)(1) through (b)(4) of this section. In such case, all instrument readings shall be compared directly to the applicable leak definition to determine whether there is a leak. If an owner or operator elects to adjust instrument readings for background, the owner or operator shall monitor the equipment according to the procedures

specified in paragraphs (c)(1) through (c)(4) of this



section.

(1) The requirements of paragraphs (b) (1) through (4) of this section shall apply.

(2) The background level shall be determined, using the same procedures that will be used to determine whether the equipment is leaking.

(3) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21 of 40 CFR part 60, appendix A.

(4) The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 parts per million for determining compliance.

(d)(1) Each piece of equipment within a process unit that can reasonably be expected to contain equipment in organic HAP service is presumed to be in organic HAP service unless an owner or operator demonstrates that the piece of equipment is not in organic HAP service. For a piece of equipment to be considered not in organic HAP service, it must be determined that the percent organic HAP content can be reasonably expected not to exceed 5 percent by weight on an annual average basis. For purposes of determining the percent organic HAP content of the process fluid that is contained in or contacts equipment, Method 18 of 40 CFR part 60, appendix A shall be used.

(2)(i) An owner or operator may use good engineering judgment rather than the procedures in paragraph (d)(1) of this section to determine that the percent organic HAP content does not exceed 5 percent by weight. When an owner or operator and the Administrator do not agree on whether a piece of equipment is not in organic HAP service, however, the procedures in paragraph (d)(1) of this section shall be used to resolve the disagreement.

(ii) Conversely, the owner or operator may determine that the organic HAP content of the process fluid does not exceed 5 percent by weight by, for example, accounting for 98 percent of the content and showing that organic HAP is less than 3 percent.

(3) If an owner or operator determines that a piece of equipment is in organic HAP service, the determination can be revised after following the procedures in paragraph (d)(1) of this section, or by documenting that a change in the process or raw materials no longer causes the equipment to be in organic HAP service.

(4) Samples used in determining the percent organic HAP content shall be representative of the process fluid that is contained in or contacts the equipment.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



(e) When a flare is used to comply with Sec. 63.172(d) of this subpart, the compliance determination shall be conducted using Method 22 of 40 CFR part 60, appendix A to determine visible emissions.

(f) The following procedures shall be used to pressure test batch product-process equipment for pressure or vacuum loss to demonstrate compliance with the requirements of Sec. 63.178(b)(3)(i) of this subpart.

(1) The batch product-process equipment train shall be pressurized with a gas to a pressure less than the set pressure of any safety relief devices or valves or to a pressure slightly above the operating pressure of the equipment, or alternatively, the equipment shall be placed under a vacuum.

(2) Once the test pressure is obtained, the gas source or vacuum source shall be shut off.

(3) The test shall continue for not less than 15 minutes unless it can be determined in a shorter period of time that the allowable rate of pressure drop or of pressure rise was exceeded. The pressure in the batch product-process equipment shall be measured after the gas or vacuum source is shut off and at the end of the test period. The rate of change in pressure in the batch product-process equipment shall be calculated using the following equation:

$$\Delta P/t = (|P_f - P_i|) / (t_f - t_i)$$

where:

$\Delta P/t$ = Change in pressure, psig/hr.

P_f = Final pressure, psig.

P_i = Initial pressure, psig.

$t_f - t_i$ = Elapsed time, hours.

(4) The pressure shall be measured using a pressure measurement device (gauge, manometer, or equivalent) which has a precision of ± 2.5 millimeter mercury in the range of test pressure and is capable of measuring pressures up to the relief set pressure of the pressure relief device. If such a pressure measurement device is not reasonably available, the owner or operator shall use a pressure measurement device with a precision of at least +10 percent of the test pressure of the equipment and shall extend the duration of the test for the time necessary to detect a pressure loss or rise that equals a rate of one psig per hour.

(5) An alternative procedure may be used for leak testing

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



the equipment if the owner or operator demonstrates the alternative procedure is capable of detecting a pressure loss or rise.

(g) The following procedures shall be used to pressure-test batch product-process equipment using a liquid to demonstrate compliance with the requirements of Sec. 63.178(b)(3)(ii) of this subpart.

(1) The batch product-process equipment train, or section of the train, shall be filled with the test liquid (e.g., water, alcohol) until normal operating pressure is obtained. Once the equipment is filled, the liquid source shall be shut off.

(2) The test shall be conducted for a period of at least 60 minutes, unless it can be determined in a shorter period of time that the test is a failure.

(3) Each seal in the equipment being tested shall be inspected for indications of liquid dripping or other indications of fluid loss. If there are any indications of liquids dripping or of fluid loss, a leak is detected.

(4) An alternative procedure may be used for leak testing the equipment, if the owner or operator demonstrates the alternative procedure is capable of detecting losses of fluid.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 137: General recordkeeping requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(a), Subpart H

Item 137.1:

This Condition applies to Emission Unit: U-BMS01

Item 137.2:

An owner or operator of more than one process unit subject to the provisions of this subpart may comply with the recordkeeping requirements for these process units in one recordkeeping system if the system identifies each record by process unit and the program being implemented (e.g., quarterly monitoring, quality improvement) for each type of equipment. All records and information required by this section shall be maintained in a manner that can be readily accessed at the plant site. This could include physically

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



locating the records at the plant site or accessing the records from a central location by computer at the plant site.

Condition 138: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(b), Subpart H

Item 138.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 138.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records shall be kept for each process unit subject to Subpart H:

- 1) A list of identification numbers for equipment (except for connectors exempt from monitoring and recordkeeping and for instrumentation systems). Connectors need not be identified individually if all connectors in a given length of pipe are identified as a group, and the number of connectors is indicated. Physical tagging of the equipment to indicate that it is in organic HAP service is not required. Equipment subject to the provisions of this subpart may be identified on a plant site plan, in log entries, or by other appropriate methods.
- 2) A schedule by process unit for monitoring connectors in gas/vapor or light liquid service and valves in gas/vapor or light liquid service.
- 3) A plant site map, log entries, or some identification for equipment that is in organic HAP service.
- 4) A list of identification numbers for equipment that is equipped with a closed-vent system and control device, under the provisions of 40CFR63.163(g), 164(h), 165(c), or 173(f).

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



5) A list of identification numbers for compressors that are designated as operating with an instrument reading of less than 500 ppm above background.

6) A list of identification numbers for pressure relief devices in gas/vapor service.

7) A list of identification numbers for pressure relief devices equipped with rupture disks.

8) Identification of instrumentation systems subject to leak detection and repair provisions.

9) Identification of screwed connectors subject to 40CFR63.174(c)(2). This can be by area or grouping as long as the total number within each group is recorded.

10) For each dual mechanical seal system, the design criteria required in 40CFR63.163(e)(6)(i), 164(e)(2), and 173(d)(6)(i), an explanation of the design criteria, and any changes to these criteria and reasons for the changes.

11) The following information pertaining to pumps, valves, agitators and connectors designated as unsafe to monitor; agitators and valves designated as difficult to monitor; any agitator obstructed by equipment or piping that prevents access to the agitator by a monitor probe; and any connector designated as unsafe to monitor shall be recorded:

i) Identification of all equipment designated as unsafe to monitor, difficult to monitor, unsafe to inspect, and the plan for monitoring or inspecting this equipment.

ii) A list of identification numbers for the equipment designated as difficult to monitor, an explanation of why the equipment is difficult to monitor, and the planned schedule for monitoring this equipment.

iii) A list of identification numbers for connectors that are designated as unsafe to repair and an explanation why the connector is unsafe to repair.

12) A list of valves removed from and added to the process unit if used in the percent leaking valves calculation.

13) A list of connectors removed from and added to the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



process unit, as described in § 63.174(i)(1) of this subpart, and documentation of the integrity of the weld for any removed connectors, as required in §63.174(j) of this subpart. This is not required unless the net credits for removed connectors is expected to be used.

14) For batch process units that the owner or operator elects to monitor as provided under § 63.178(c) of this subpart, a list of equipment added to batch product process units since the last monitoring period required in §63.178(c)(3)(ii) and (3)(iii) of this subpart. Records demonstrating the proportion of the time during the calendar year the equipment is in use in a batch process that is subject to the provisions of this subpart. Examples of suitable documentation are records of time in use for individual pieces of equipment or average time in use for the process unit. These records are not required if the owner or operator does not adjust monitoring frequency by the time in use, as provided in §63.178(c)(3)(iii) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 139: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(c), Subpart H

Item 139.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



For visual inspections of equipment that are done in order to comply with provisions in this subpart, the owner/operator shall document that the inspection was conducted and the date of the inspection. These records shall be kept for 2 years.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 140: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(d), Subpart H

Item 140.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 140.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When each leak is detected as specified in 40CFR63.163, 164, 168, 169, 172, 173, and 174, the following information shall be recorded and kept for 2 years:

- 1) The instrument and the equipment identification number
- 2) The operator name, initials, or identification number
- 3) The date the leak was detected
- 4) The date of first attempt at repair
- 5) The date of successful repair of the leak.
- 6) Maximum instrument reading measured by Method 21 after it is successfully repaired or determined to be nonrepairable.
- 7) "Repair delayed" and the reason for the delay if a leak

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



is not repaired within 15 calendar days. If the reason for the delay is because of depletion of stocked parts, there must be documentation that the spare parts were sufficiently stocked on-site before depletion and the reason for depletion. The owner or operator may develop a written procedure that identifies the conditions that justify a delay of repair. The written procedures may be included as part of the startup/shutdown/malfunction plan, required by §63.6(e)(3), for the source or may be part of a separate document that is maintained at the plant site. In such cases, reasons for delay of repair may be documented by citing the relevant sections of the written procedure.

8) Dates of process unit shutdowns that occur while the equipment is unrepaired.

9) Identification of connectors that have been opened or otherwise had the seal broken since the last monitoring period. The date and results of monitoring as required in §63.174(c) of this subpart. If identification of connectors that have been opened or otherwise had the seal broken is made by location, then all connectors within the designated location shall be monitored.

10) Copies of all periodic reports, if records are not maintained on a computerized database capable of generating summary reports from the records.

11) The date and results of the monitoring required in 40 CFR §63.178(c)(3)(i) for equipment added to a batch process unit since the last monitoring period required in 40 CFR §63.178 (c)(3)(ii) and (c)(3)(iii). If no leaking equipment is found in this monitoring, the owner or operator shall record that the inspection was performed. Records of the actual monitoring results are not required

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 141: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(e), Subpart H

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 141.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a batch product process who elects to pressure test the batch product process equipment train to demonstrate compliance with Subpart H is exempt from the requirements of 40 CFR 63.181 paragraphs (b), (c), (d), and (f). Instead, the owner or operator shall maintain records of the following information:

- (1) The identification of each product, or product code, produced during the calendar year. It is not necessary to identify individual items of equipment in a batch product process equipment train.
- (2) Physical tagging of the equipment to identify that it is in organic HAP service and subject to the provisions of this subpart is not required. Equipment in a batch product process subject to the provisions of this subpart may be identified on a plant site plan, in log entries, or by other appropriate methods.
- (4) The dates of each pressure test required in 40 CFR §63.178(b), the test pressure, and the pressure drop observed during the test.
- (5) Records of any visible, audible, or olfactory evidence of fluid loss.
- (6) When a batch product process equipment train does not pass two consecutive pressure tests, the following information shall be recorded in a log and kept for 2 years:
 - (i) The date of each pressure test and the date of each leak repair attempt.
 - (ii) Repair methods applied in each attempt to repair the

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- leak.
- (iii) The reason for the delay of repair.
- (iv) The expected date for delivery of the replacement equipment and the actual date of delivery of the replacement equipment.
- (v) The date of successful repair.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 142: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(f), Subpart H

Item 142.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

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

Item 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall keep the dates and results of each compliance test required for compressors and pressure relief devices in gas/vapor service which are subject to a monitoring threshold of 500 ppm above background concentration. The results shall include the background level measured during each compliance test and the maximum instrument reading measured at each piece of equipment during each compliance test.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 143: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(g), Subpart H

Item 143.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 143.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the information specified in this condition for closed-vent systems and control devices subject to the provisions of §63.172 of this subpart. The records specified in section 1 of this condition shall be retained for the life of the equipment. The records specified in sections 2 and 3 of this condition shall be retained for 2 years.

(1) The design specifications and performance demonstrations specified in (i) through (iv) of this section.

(i) Detailed schematics, design specifications of the control device, and piping and instrumentation diagrams.

(ii) The dates and descriptions of any changes in the design specifications.

(iii) The flare design (i.e., steam-assisted, air-assisted, or non-assisted) and the results of the compliance demonstration required by § 63.11(b) of subpart A of this part.

(iv) A description of the parameter or parameters monitored, as required in § 63.172(e) of this subpart, to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.

(2) Records of operation of closed-vent systems and control devices, as specified in (i) through (iii) of this section.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

(i) Dates and durations when the closed-vent systems and control devices required in §§63.163 through 63.166, and §63.170 are not operated as designed as indicated by the monitored parameters, including periods when a flare pilot light system does not have a flame.

(ii) Dates and durations during which the monitoring system or monitoring device is inoperative.

(iii) Dates and durations of start-ups and shutdowns of control devices required in §§63.163 through 63.166, and §63.170 of this subpart.

(3) Records of inspections of closed-vent systems subject to the provisions of §63.172 of this subpart, as

specified in (i) and (ii) of this section.

(i) For each inspection conducted in accordance with the provisions of §63.172(f)(1) or (f)(2) of this subpart during which no leaks were detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.

(ii) For each inspection conducted in accordance with the provisions of § 63.172(f)(1) or (f)(2) of this subpart during which leaks were detected, the information specified in paragraph (d) of this section shall be recorded.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 144: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.181(h), Subpart H

Item 144.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 144.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Description:

Each owner or operator of a process unit subject to the requirements of Secs. 63.175 and 63.176 of this subpart shall maintain the records specified in paragraphs (h)(1) through (h)(9) of this section for the period of the quality improvement program for the process unit.

(1) For owners or operators who elect to use a reasonable further progress quality improvement program, as specified in Sec. 63.175(d) of this subpart:

(i) All data required in Sec. 63.175(d)(2) of this subpart.

(ii) The percent leaking valves observed each quarter and the rolling average percent reduction observed in each quarter.

(iii) The beginning and ending dates while meeting the requirements of Sec. 63.175(d) of this subpart.

(2) For owners or operators who elect to use a quality improvement program of technology review and improvement, as specified in Sec. 63.175(e) of this subpart:

(i) All data required in Sec. 63.175(e)(2) of this subpart.

(ii) The percent leaking valves observed each quarter.

(iii) Documentation of all inspections conducted under the requirements of Sec. 63.175(e)(4) of this subpart, and any recommendations for design or specification changes to reduce leak frequency.

(iv) The beginning and ending dates while meeting the requirements of Sec. 63.175(e) of this subpart.

(3) For owners or operators subject to the requirements of the pump quality improvement program as specified in Sec. 63.176 of this subpart:

(i) All data required in Sec. 63.176(d)(2) of this subpart.

(ii) The rolling average percent leaking pumps.

(iii) Documentation of all inspections conducted under the requirements of Sec. 63.176(d)(4) of this subpart, and any recommendations for design or specification changes to reduce leak frequency.

(iv) The beginning and ending dates while meeting the requirements of Sec. 63.176(d) of this subpart.

(4) If a leak is not repaired within 15 calendar days after discovery of the leak, the reason for the delay and the expected date of successful repair.

(5) Records of all analyses required in Secs. 63.175(e) and 63.176(d) of this subpart. The records will include

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



the following:

- (i) A list identifying areas associated with poorer than average performance and the associated service characteristics of the stream, the operating conditions and maintenance practices.
- (ii) The reasons for rejecting specific candidate superior emission performing valve or pump technology from performance trials.
- (iii) The list of candidate superior emission performing valve or pump technologies, and documentation of the performance trial program items required under Secs. 63.175(e)(6)(iii) and 63.176(d)(6)(iii) of this subpart.
- (iv) The beginning date and duration of performance trials of each candidate superior emission performing technology.
- (6) All records documenting the quality assurance program for valves or pumps as specified in Secs. 63.175(e)(7) and 63.176(d)(7) of this subpart.
- (7) Records indicating that all valves or pumps replaced or modified during the period of the quality improvement program are in compliance with the quality assurance requirements in Sec. 63.175(e)(7) and Sec. 63.176(d)(7) of this subpart.
- (8) Records documenting compliance with the 20 percent or greater annual replacement rate for pumps as specified in Sec. 63.176(d)(8) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 145: Reporting standards - general

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.182(a), Subpart H

Item 145.1:

This Condition applies to Emission Unit: U-BMS01

Item 145.2:

Each owner/operator shall submit the following reports:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



- 1) An initial notification report
- 2) A Notification of Compliance Status report
- and 3) Periodic reports

Condition 146: Reporting requirements - periodic reports
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.182(d), Subpart H

Item 146.1:

This Condition applies to Emission Unit: U-BMS01

Item 146.2:

A periodic report shall be submitted semiannually starting six months after the Notification of Compliance Status report. The first report shall p0cover the previous six months after the compliance date and each subsequent report shall cover the six month period following the preceding period.

The periodic report shall include the following information:

- 1) For each process unit complying with the provisions of §§63.163 through 63.174, the following information for each monitoring period during the previous six-month period:
 - i) The number of valves for which leaks were detected, the percent leakers, and the total number of valves monitored,
 - ii) The number of valves for which leaks were not repaired, identifying the number of those that are determined nonrepairable,
 - iii) The number of pumps for which leaks were detected, the percent leakers, and the total number of pumps monitored,
 - iv) The number of pumps for which leaks were not repaired,
 - v) The number of compressors for which leaks were detected,
 - vi) The number of compressors for which leaks were not repaired,
 - vii) The number of agitators for which leaks were detected,
 - viii) The number of agitators for which leaks were not repaired,
 - ix) The number of connectors for which leaks were detected, the percent of connectors leaking, and the total number of connectors monitored,
 - x) The number of connectors for which leaks were not repaired, identifying the number of those that are determined nonrepairable,
 - xi) The facts that explain any delay of repairs and, where appropriate, why a process unit shutdown was technically infeasible, and
 - xii) The results of all monitoring to show compliance with the 500 ppm above background thresholds.
 - xiii) If it becomes applicable, the initiation of a monthly monitoring program under §63.168(d)(1)(i) or a quality improvement program under either §§63.175 or 63.176.
 - xiv) If it becomes applicable, notification of a change in connector monitoring alternatives as described in §63.174(c)(1).
- 2) For each process unit complying with the pressure testing option for batch processes in §63.178(b) the following information:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

- i) Batch product process equipment train identification;
- ii) The number of pressure tests conducted;
- iii) The number of pressure tests where the equipment train failed the pressure test; and
- iv) The facts that explain any delay of repairs.

Item 146.3:

The periodic report shall also contain the information listed below for the Notification of Compliance Status for process units with later compliance dates and any revisions to items reported in earlier Notification of Compliance Status, if the method of compliance has changed since the last report.

1) For each process unit complying with the provisions of §§63.163 through 63.174:

- i) Process unit identification;
- ii) Number of each equipment type (e.g., valves, pumps) excluding equipment in vacuum service;
- iii) Method of compliance with the standard (for example, "monthly leak detection and repair" or "equipped with dual mechanical seals")
- iv) Planned schedule for each phase of the requirements in §§63.163 and 63.168.

2) For each process unit complying with the pressure testing option for batch processes in §63.178(b) the following information:

- i) Batch products or product codes subject to the provisions of this subpart, and
- ii) Planned schedule for pressure testing when equipment is configured for production of products subject to the provisions of 40CFR63 Subpart H.

Condition 147: Applicability of the Negotiated Regulation for Equipment Leaks

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.190, Subpart I

Item 147.1:

This Condition applies to Emission Unit: U-BMS01

Item 147.2:

The provisions of subparts I and H of this part apply to emissions of the designated organic HAP from the processes specified in paragraphs (1) through (6) of this item that are located at a plant site that is a major source as defined in section 112(a) of the Act. The specified processes are further defined in §63.191.

(1) Styrene-butadiene rubber production (butadiene and styrene emissions only).

(2) Polybutadiene rubber production (butadiene emissions only).

(3) The processes producing the agricultural chemicals listed in paragraphs (3)(i) through (3)(v) of this item (butadiene, carbon tetrachloride, methylene chloride, and ethylene dichloride emissions only).

- (i) Captafol®,
- (ii) Captan®,
- (iii) Chlorothalonil,
- (iv) Dacthal, and
- (v) Tordon™ acid.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

(4) Processes producing the polymers/resins or other chemical products listed in paragraphs (4)(i) through (4)(vi) of this item (carbon tetrachloride, methylene chloride, tetrachloroethylene, chloroform, and ethylene dichloride emissions only).

- (i) Hypalon®,
- (ii) Oxybisphenoxarsine/1,3-diisocyanate (OBPA®),
- (iii) Polycarbonates,
- (iv) Polysulfide rubber,
- (v) Chlorinated paraffins, and
- (vi) Symmetrical tetrachloropyridine.

(5) Pharmaceutical production processes using carbon tetrachloride or methylene chloride (carbon tetrachloride and methylene chloride emissions only).

(6) Processes producing the polymers/resins or other chemical products listed in paragraphs (6)(i) through (6)(iv) of this item (butadiene emissions only).

- (i) Methylmethacrylate-butadiene-styrene resins (MBS)
- (ii) Butadiene-furfural cotrimer,
- (iii) Methylmethacrylate-acrylonitrile-butadiene-styrene (MABS) resins, and
- (iv) Ethylidene norbornene.

Item 147.3:

The owner or operator of a process listed above that does not have the designated organic hazardous air pollutants present in the process shall comply only with the requirements of §63.192(k) of this subpart. To comply with this subpart, such processes shall not be required to comply with the provisions of 40 CFR 63 subpart A.

For the purposes of 40 CFR 63 subparts I and H, the source includes pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, and instrumentation systems that are associated with the processes identified in item 2 of this condition and are intended to operate in organic hazardous air pollutant service (as defined in 40 CFR §63.191) for 300 hours or more during the calendar year. If specific items of equipment, comprising part of a process unit subject to this subpart, are managed by different administrative organizations (e.g., different companies, affiliates, departments, divisions, etc.) those items of equipment may be aggregated with any process unit within the source for all purposes under 40 CFR 63 subpart H, providing there is no delay in the applicable compliance date.

The owner or operator of a process subject to this subpart is required to comply with the provisions of 40 CFR 63 subpart H on or before the dates specified in paragraph (i) or (ii) below, unless the owner or operator eliminates the use or production of all HAP's that cause the process to be subject to this rule no later than 18 months after April 22, 1994.

- (i) New sources that commence construction or reconstruction after December 31, 1992 shall comply upon initial start-up.
- (ii) Existing sources shall already be in compliance.

Item 147.4:

The provisions of subparts I and H of this part do not apply to research and development facilities or to

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



bench-scale batch processes, regardless of whether the facilities or processes are located at the same plant site as a process subject to the provisions of subpart I and H of this part.

Item 147.5:

(1) If an additional process unit specified in paragraph (b) of this section is added to a plant site that is a major source as defined in Section 112(a) of the CAA, the addition shall be subject to the requirements or a new source in subparts H and I of this part if:

- (i) It is an addition that meets the definition of construction in §63.2 of subpart A of this part;
- (ii) Such construction commenced after December 31, 1992; and
- (iii) The addition has the potential to emit 10 tons per year or more of any HAP or 25 tons per year or more of any combination of HAP's, unless the Administrator establishes a lesser quantity.

(2) If any change is made to a process subject to this subpart, the change shall be subject to the requirements for a new source in subparts H and I of this part if:

- (i) It is a change that meets the definition of reconstruction in §63.2 of subpart A of this part;
- (ii) Such reconstruction commenced after December 31, 1992.

(3) If an additional process unit is added to a plant site or a change is made to a process unit and the addition or change is determined to be subject to the new source requirements according to paragraphs (1) or (2) of this item:

(i) The new or reconstructed source shall be in compliance with the new source requirements of 40 CFR 63 subparts H and I upon initial start-up of the new or reconstructed source or by April 22, 1994, whichever is later; and

(ii) The owner or operator of the new or reconstructed source shall comply with the reporting and recordkeeping requirements in subparts H and I of this part that are applicable to new sources. The applicable reports include, but are not limited to:

(A) Reports required by §63.182(b), if not previously submitted, §63.182 (c) and (d) of subpart H of this part; and

(B) Reports and notifications required by sections of subpart A of this part that are applicable to subparts H and I of this part, as identified in 40 CFR §63.192(a).

(4) If an additional process unit is added to a plant site, if a surge control vessel or bottoms receiver becomes subject to 40 CFR §63.170, or if a compressor becomes subject to 40 CFR §63.164 of subpart H, and if the addition or change is not subject to the new source requirements as determined according to paragraphs (1) or (2) of this permit condition item, the requirements in paragraphs (4)(i) through (4)(iii) of this section shall apply. Examples of process changes include, but are not limited to, changes in production capacity, feedstock type, or catalyst type, or whenever there is replacement, removal, or addition of recovery equipment. For purposes of this paragraph, process changes do not include: process upsets, unintentional temporary process changes, and changes that are within the equipment configuration and operating conditions documented in the Notification of Compliance Status required by §63.182(c) of subpart H of this part.

(i) The added emission point(s) and any emission point(s) within the added or changed process unit are subject to the requirements of subparts H and I of this part for an existing source;

(ii) The added emission point(s) and any emission point(s) within the added or changed process unit shall be in compliance with subparts H and I of this part by the dates specified in paragraphs (4)(ii)(A) or (4)(ii)(B) of this section, as applicable.

(A) If a process unit is added to a plant site or an emission point(s) is added to an existing process unit, the added process unit or emission point(s) shall be in compliance upon initial start-up of the added

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



process unit or emission point(s) or by April 22, 1997, whichever is later.

(B) If a surge control vessel or bottoms receiver becomes subject to §63.170 of subpart H, if a compressor becomes subject to §63.164 of subpart H, or if a deliberate operational process change causes equipment to become subject to subpart H of this part, the owner or operator shall be in compliance upon initial start-up or by April 22, 1997, whichever is later, unless the owner or operator demonstrates to the Administrator that achieving compliance will take longer than making the change. The owner or operator shall submit to the Administrator for approval a compliance schedule, along with a justification for the schedule. The Administrator shall approve the compliance schedule or request changes within 120 calendar days of receipt of the compliance schedule and justification.

(iii) The owner or operator of a process unit or emission point that is added to a plant site and is subject to the requirements for existing sources shall comply with the reporting and recordkeeping requirements of subparts H and I of this part that are applicable to existing sources, including, but not limited to, the reports listed in paragraphs (4)(iii)(A) and (4)(iii)(B) of this permit condition item.

(A) Reports required by §63.182 of subpart H of this part; and

(B) Reports and notifications required by sections of subpart A of this part that are applicable to subparts H and I of this part, as identified in §63.192(a) of this subpart.

**Condition 148: General Provisions for 40 CFR 63 Subpart I Sources
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.192, Subpart I

Item 148.1:

This Condition applies to Emission Unit: U-BMS01

Item 148.2:

All provisions in 40 CFR §§63.1 through 63.15 of subpart A which apply to owners and operators of sources subject to subparts I and H of this part, are:

- (1) The applicability provisions of §63.1 (a)(1), (a)(2), (a)(10), (a)(12) through (a)(14);
- (2) The definitions of §63.2 unless changed or modified by specific entry in §63.191 or §63.161;
- (3) The units and abbreviations in §63.3;
- (4) The prohibited activities and circumvention provisions of §63.4 (a)(1), (a)(2), (a)(3), (a)(5), and (b);
- (5) The construction and reconstruction provisions of §63.5(a), (b)(1), (b)(3), (d) (except the review is limited to the equipment subject to the provisions of subpart H), (e), and (f);
- (6)(i) The compliance with standards and maintenance requirements of §63.6(a), (b)(3), (c)(5), (e), (i)(1), (i)(2), (i)(4)(i)(A), (i)(6)(i), (i)(8) through (i)(10), (i)(12) through (i)(14), (i)(16), and (j);
- (ii) The operational and maintenance requirements of §63.6(e). The startup, shutdown, and malfunction plan requirement of §63.6(e)(3) is limited to control devices subject to the provisions of subpart H of part 63 and is optional for other equipment subject to subpart H. The startup, shutdown, and malfunction plan may include written procedures that identify conditions that justify a delay of repair.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

(7) With respect to flares, the performance testing requirements of §63.7(a)(3), (d), (e)(1), (e)(2), (e)(4), and (h);

(8) The notification requirements of §63.9 (a)(1), (a)(3), (a)(4), (b)(1)(i), (b)(4), (b)(5) (except, use the schedule specified in subpart H), (c), (d), and (i);

(9) The recordkeeping and reporting requirements of §63.10(a) and (f);

(10) The control device requirements of §63.11(b); and

(11) The provisions of §63.12 through §63.15.

Item 148.3:

Initial performance tests and initial compliance determinations shall be required only as specified in subpart H of this part.

(1) Performance tests and compliance determinations shall be conducted according to the applicable sections of subpart H.

(2) The owner or operator shall notify the Administrator of the intention to conduct a performance test at least 30 days before the performance test is scheduled to allow the Administrator the opportunity to have an observer present during the test.

Note: This requirement does not apply to equipment subject to monitoring using Method 21 of part 60, appendix A.

(3) Performance tests shall be conducted according to the provisions of §63.7(e) of subpart A of this part, except that performance tests shall be conducted at maximum representative operating conditions for the process. During the performance test, an owner or operator may operate the control or recovery device at maximum or minimum representative operating conditions for monitored control or recovery device parameters, whichever results in lower emission reduction.

(4) Data shall be reduced in accordance with the EPA-approved methods specified in the applicable subpart, or, if other test methods are used, the data and methods shall be validated according to the protocol in Method 301 of appendix A of this part.

Item 148.4:

An application for approval of construction or reconstruction, 40 CFR 63.5 of this chapter, will not be required if:

(1) The new process unit complies with the applicable standards in §63.162 or §63.178 of subpart H of this part; and

(2) In the next semiannual report required by §63.182(d) of subpart H of this part, the information in §63.182(c) of subpart H of this part is reported.

Item 148.5:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

If an owner or operator of a process plans to eliminate the use or production of all HAP's that cause the process to be subject to the provisions of subparts I and H of this part no later than 18 months after April 22, 1994, the owner or operator shall submit to the Administrator a brief description of the change, identify the HAP's eliminated, and the expected date of cessation of operation of the current process, by no later than January 23, 1995.

Item 148.6:

Each owner or operator of a source subject to subparts I and H of this part shall keep copies of all applicable reports and records required by subpart H for at least 2 years, except as otherwise specified in subpart H. If an owner or operator submits copies of reports to the applicable EPA Regional Office, the owner or operator is not required to maintain copies of reports. If the EPA Regional Office has waived the requirement of §63.10(a)(4)(ii) for submittal of copies of reports, the owner or operator is not required to maintain copies of reports.

(1) All applicable records shall be maintained in such a manner that they can be readily accessed. The most recent 6 months of records shall be retained on site or shall be accessible from a central location by computer or other means that provides access within 2 hours after a request.

(2) The owner or operator subject to subparts I and H of this part shall keep the records specified in this paragraph, as well as records specified in subpart H of this part.

(i) Records of the occurrence and duration of each start-up, shutdown, and malfunction of operation of a process subject to this subpart as specified in § 63.190(b) of this subpart.

(ii) Records of the occurrence and duration of each malfunction of air pollution control equipment or continuous monitoring systems used to comply with subparts I and H of this part.

(iii) For each start-up, shutdown, and malfunction, records that the procedures specified in the source's start-up, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan. These records may take the form of a "checklist," or other form of recordkeeping that confirms conformance with the startup, shutdown, and malfunction plan for the event.

Item 148.7:

All reports required under subpart H shall be sent to the Administrator at the addresses listed in §63.13 of subpart A of this part.

(1) Wherever subpart A specifies "postmark" dates, submittals may be sent by methods other than the U.S. Mail (e.g., by fax or Times New Roman). Submittals shall be sent on or before the specified date.

(2) If acceptable to both the Administrator and the owner or operator of a source, reports may be submitted on electronic media.

Item 148.8:

If, in the judgment of the Administrator, an alternative means of emission limitation will achieve a reduction in organic HAP emissions at least equivalent to the reduction in organic HAP emissions from that source achieved under any design, equipment, work practice, or operational standards in subpart H of this part, the Administrator will publish in the Federal Register a notice permitting the use of the alternative means for purposes of compliance with that requirement.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

(1) The notice may condition the permission on requirements related to the operation and maintenance of the alternative means.

(2) Any notice under paragraph (h) of this section shall be published only after public notice and an opportunity for a hearing.

(3) Any person seeking permission to use an alternative means of compliance under this section shall collect, verify, and submit to the Administrator information showing that the alternative means achieves equivalent emission reductions.

Item 148.9:

Each owner or operator of a source subject to this subpart shall obtain a permit under 40 CFR part 70 or part 71 from the appropriate permitting authority.

(1) If EPA has approved a State operating permit program under 40 CFR part 70, the permit shall be obtained from the State authority.

(2) If the State operating permit program has not been approved, the source shall apply to the EPA regional office pursuant to 40 CFR part 71.

Item 148.10:

The requirements in subparts I and H of this part are Federally enforceable under section 112 of the Act on and after the dates specified in §63.190(d) of this subpart.

Item 148.11:

The owner or operator of a process unit which meets the criteria of §63.190 (c), shall comply with the requirements of either paragraph (1) or (2) of this item.

(1) Retain information, data, and analysis used to determine that the process unit does not have the designated organic hazardous air pollutant present in the process. Examples of information that could document this include, but are not limited to, records of chemicals purchased for the process, analyses of process stream composition, engineering calculations, or process knowledge.

(2) When requested by the Administrator, demonstrate that the chemical manufacturing process unit does not have the designated organic hazardous air pollutant present in the process.

Item 148.12:

To qualify for the exemption specified in § 63.190(b)(7) of this subpart, the owner or operator shall maintain the documentation of the information required pursuant to §63.190(b)(7)(i), and documentation of any update of this information requested by the EPA Regional Office, and shall provide the documentation to the EPA Regional Office upon request. The EPA Regional Office will notify the owner or operator, after reviewing such documentation, whether, in the EPA Regional Office's judgement, the source does not qualify for the exemption specified in §63.190(b)(7) of this subpart. In such cases, compliance with this subpart shall be required no later than 90 days after the date of such notification by the EPA Regional Office.

Condition 149: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.192, Subpart I

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a source subject to this subpart shall comply with the requirements of subpart H of this part for the processes and designated organic HAP's listed in section 63.190(b) of this subpart.

The owner or operator of a pharmaceutical production process subject to this subpart may define a process unit as a set of operations, with a source, producing a product, as all operations co-located with a building or structure or as all affected operations at the source.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 150: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 231-2.

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 001



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

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

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CONDITIONS FOR capping out of 6NYCRR 231-2 applicability for Building 75.

The total VOC emissions from Emission Points: 75001, 75002, 75003, 75004, 75320, 75321 shall not exceed 40 tons per year on a monthly rolling average basis.

BMS shall maintain records that demonstrate compliance with the above emission limit. The records shall include, but not be limited to, the amount of solvent(s) used, recovered for reuse, discarded as waste material (including method of disposal), and the method for determining emissions from the emission points.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 151: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 231-2.

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01
Process: 001

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

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



The total VOC emissions from Emission Point 25N00 shall not exceed 40 tons per year on a monthly rolling average basis.

BMS shall maintain records that demonstrate compliance with the above emission limit. The records shall include, but not be limited to, the amount of solvent(s) used, recovered for reuse, discarded as waste material (including method of disposal), and the method for determining emissions from the emission points.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 152: In-process tank requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(f)

Item 152.1:

This Condition applies to Emission Unit: U-BMS01

Process: 001

Item 152.2:

For in-process tanks containing a volatile organic compound, covers must be installed on openings to these tanks. Tank openings must remain covered unless production, sampling, maintenance, or inspection procedures require operator access.

Condition 153: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 153.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 153.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



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

Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 20A01, Emission Sources 14002 and 14008. Emissions of solid particulates are limited to a maximum of 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. The liquid flow rate for emission source FE 007 (spray tower) shall be continuously recorded and averaged daily to indicate that the required control efficiency is achieved.

rd The liquid flow rate monitoring system will be calibrated annually to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 14 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 154: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Item 154.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 003

Item 154.2:

Compliance Certification 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 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 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 155: Sampling and Monitoring

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.11(a)

Item 155.1:

This Condition applies to Emission Unit: U-BMS01

Process: 003

Item 155.2:

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 156: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Applicable Federal Requirement: 6NYCRR 233.3(a)

Item 156.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 24A23, Process 004 and the following Emission Sources: 19028, 19029, 19030, 19031, 19032, 19033, Emission Point E3179, Emission Source 12050, Emission Point 62001, Emission Source 12027, Emission Point 24A03, Emission Sources: Emission Source 20011 Emission Point 00T92, Emission Source 12049, Emission Point 25001, Emission Source 20012 and Emission Sources 0S007, 0S008 (mobil condensers) and Emission Source Control BC011 (Condenser), OS005 (Condenser), CI025 (Titus closed loop system), CI011 (Condenser), CI022 (Condenser), .

The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved. [See table 1 of part 223.3(a)(1)]. The temperature monitoring system will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, f)continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Manufacturer Name/Model Number: Vapor Condenser
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 157: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(a)

Item 157.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01
Process: 004

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

Item 157.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This Emission Unit Compliance Certification applies to Emission Unit UBMS01, Emission Point number 75321 and the following emission sources: 18033, 18034, 18035, 18036, 18037, 18038, 18050, 18051, 18052, and Emission Source/Control AC010/AC015 (Condenser/Scrubber).

When the process is in operation, the scrubber liquid flow rate shall be maintained at a minimum flow rate of 30 gallons per minute, continuously recorded and averaged daily. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 1 of Part 233.3(a)(1)]. The liquid



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 158: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(a)

Item 158.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01
Process: 004

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

Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

This condition applies to Emission Unit UBMS01, Emission Point 25N00, Emission Sources: 20046, 20008, 20047, 20048, 20049, 20050, 20051, 20052, 20053, 20054, 20055 and Emission Source/Control OS003/OS004 (Condenser/Packed Tower) .

ar

When the process is in operation, the scrubber liquid flow rate shall be correlated to and maintained with a manometer at a reading of a minimum of 4 inches of water and continuously recorded. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 1 of Part 233.3(a)(1)]. The liquid flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 159: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Applicable Federal Requirement: 6NYCRR 233.3(a)

Item 159.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This Emission Unit Compliance Certification applies to Emission Unit UBMS01, Emission Point number 75320 and the following Emission sources: 18039, 18040, 18041, 18042 and Emission Source/Control AC000/AC014 (Condenser/ Scrubber).

When the process is in operation, the scrubber liquid flow rate shall be maintained at a minimum flow rate of 69 gallons per minute. The scrubber liquid flow rate shall be continuously recorded and averaged daily to indicate that the required control efficiency is achieved. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 1 of Part 233.3 (a)(1)]. The liquid flow rate, pH and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 160: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(b)

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 160.2:

Compliance Certification shall include the following monitoring:

s20 Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 62001, Process 004, Emission Source 12027. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Part 233.3(b)]. The temperature monitoring system will be calibrated quarterly to insure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



is operating under, and which regulations apply.

Manufacturer Name/Model Number: Titus
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 161: Centrifuge and filter requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(e)

Item 161.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 161.2:

All centrifuges containing volatile organic compounds, rotary vacuum filters processing volatile organic compounds, and any other filters having an exposed liquid surface where the liquid contains volatile organic compounds and exerts a total vapor pressure of 0.5 psi or more at 20 degrees C must be enclosed unless production, sampling, maintenance, or inspection procedures require operator access.

Condition 162: Continuous monitor requirements - Part 233.4(e)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 162.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 162.2:

Continuous monitors must be equipped with a recording device.

Condition 163: Continuous monitor requirements - Part 233.4(f)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 163.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 163.2:

Continuous monitors must be calibrated quarterly.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 164: Continuous monitor requirements - Part 233.4(g)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 164.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 164.2:

Continuous monitors must operate at all times while the associated control equipment is operating.

Condition 165: Testing and monitoring - test procedures = Part 233.4(b)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 165.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 165.2:

The test procedures to determine compliance with this Part must be approved by the commissioner and be consistent with 40 CFR Part 60 Appendix A.

Condition 166: Testing and monitoring per Part 202-1 - Part 233.4(a)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 166.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004

Item 166.2:

The owner and/or operator of processes subject to this Part must follow notification requirements, protocol requirements, and test procedures of Part 202-1 of this Title for testing and monitoring of these processes.

Condition 167: Continuous monitors for air cleaning devices.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4(d)

Item 167.1:

This Condition applies to Emission Unit: U-BMS01
Process: 004



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

20

Item 167.2:

If an air cleaning device is used, continuous monitors for the following parameters must be installed, periodically calibrated, and operated at all times that the associated process equipment and control equipment are operating:

- (1) an exhaust gas temperature of all incinerators;
- (2) temperature rise across a catalytic incinerator bed;
- (3) breakthrough of volatile organic compounds on a carbon adsorption unit; and
- (4) outlet gas temperature of a refrigerated condenser;
- (5) temperature of nonrefrigerated condenser coolant supply system; or
- (6) any other continuous monitoring or recording device required by the commissioner for the purpose of demonstrating compliance with the control requirements of this Part.

Condition 168: Storage tank requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 168.1:

This Condition applies to Emission Unit: U-BMS01
Process: 006

Item 168.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 169: Subpart Kb - Applicability of VOC Tanks constructed after July 23, 1984

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.110b(a), NSPS Subpart Kb

Item 169.1:

This Condition applies to Emission Unit: U-BMS01
Process: 006

Item 169.2:

Except as provided in paragraphs (b), (c), and (d) of this section, the affected facility to which this subpart applies is each storage vessel with a capacity greater than or equal to 40 cubic meters that is used to store volatile organic liquids for which construction, reconstruction, or modification is commenced after July 23, 1984.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 170: Subpart Kb - Applicability of tanks with capacity less than 75 cubic meters.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.110b(b), NSPS Subpart Kb

Item 170.1:

This Condition applies to Emission Unit: U-BMS01
Process: 006

Item 170.2:

Except as specified in paragraphs (a) and (b) of § 60.116b, storage vessels with design capacity less than 75 cubic meters are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.

Condition 171: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.116b(a), NSPS Subpart Kb

Item 171.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01
Process: 006

Item 171.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 172: Records of the dimension and capacity of storage vessels
Effective between the dates of 07/17/2002 and 07/17/2007

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Applicable Federal Requirement: 40CFR 60.116b(b), NSPS Subpart Kb

Item 172.1:

This Condition applies to Emission Unit: U-BMS01
Process: 006

Item 172.2:

The owner or operator of each storage vessel, as specified in 40CFR60.110b(a), shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the storage vessel.

Each storage vessel with a design capacity less than 75 cubic meters is subject to no provision of 40CFR60 Subpart Kb other than those required by the above paragraph.

Condition 173: Storage tank requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 173.1:

This Condition applies to Emission Unit: U-BMS01
Process: 007

Item 173.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 174: Centrifuge and filter requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(e)

Item 174.1:

This Condition applies to Emission Unit: U-BMS01
Process: 007

Item 174.2:

All centrifuges containing volatile organic compounds, rotary vacuum filters processing volatile organic compounds, and any other filters having an exposed liquid surface where the liquid contains volatile organic compounds and exerts a total vapor pressure of 0.5 psi or more at 20 degrees C must be enclosed unless production, sampling, maintenance, or inspection procedures require operator access.

Condition 175: VOC transfer requirements

Effective between the dates of 07/17/2002 and 07/17/2007



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Applicable Federal Requirement: 6NYCRR 233.3(c)

Item 175.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 175.2:

For the transfer of volatile organic compounds with vapor pressures greater than 4.1 psi at 20 degrees C from trucks or railcars to storage tanks with capacities greater than 2000 gallons, other than tanks with floating roofs, vapors recovery, or equivalent controls, a vapor balance system or equivalent control that provides at least 90.0 percent control of the volatile organic compound emissions is required.

Condition 176: Continuous monitor requirements - Part 233.4(e)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 176.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 176.2:

Continuous monitors must be equipped with a recording device.

Condition 177: Continuous monitor requirements - Part 233.4(f)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 177.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 177.2:

Continuous monitors must be calibrated quarterly.

Condition 178: Continuous monitor requirements - Part 233.4(g)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 178.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 178.2:

Continuous monitors must operate at all times while the associated control equipment is operating.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Condition 179: Testing and monitoring - test procedures = Part 233.4(b)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 179.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 179.2:

The test procedures to determine compliance with this Part must be approved by the commissioner and be consistent with 40 CFR Part 60 Appendix A.

Condition 180: Testing and monitoring per Part 202-1 - Part 233.4(a)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4

Item 180.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 180.2:

The owner and/or operator of processes subject to this Part must follow notification requirements, protocol requirements, and test procedures of Part 202-1 of this Title for testing and monitoring of these processes.

Condition 181: Continuous monitors for air cleaning devices.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.4(d)

Item 181.1:

This Condition applies to Emission Unit: U-BMS01
Process: 008

Item 181.2:

If an air cleaning device is used, continuous monitors for the following parameters must be installed, periodically calibrated, and operated at all times that the associated process equipment and control equipment are operating:

- (1) an exhaust gas temperature of all incinerators;**
- (2) temperature rise across a catalytic incinerator bed;**
- (3) breakthrough of volatile organic compounds on a carbon adsorption unit; and**
- (4) outlet gas temperature of a refrigerated condenser;**

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



(5) temperature of nonrefrigerated condenser coolant supply system; or

(6) any other continuous monitoring or recording device required by the commissioner for the purpose of demonstrating compliance with the control requirements of this Part.

Condition 182: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.103(e), Subpart F

Item 182.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01

Process: 009

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 182.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a chemical manufacturing process unit which meets the criteria of section 63.100(b)(1) and 63.100(b)(3), but not the criteria of section 63.100(b)(2), shall comply with the requirements of either paragraph (e)(1) or (e)(2) of this section.

Retain information, data, and analysis used to determine that the chemical manufacturing process unit does not use as a reactant or manufacture as a product or co-product any organic hazardous air pollutant. Examples of information that could document this include, but are not limited to, records of chemicals purchased for the process, analyses of process stream composition, engineering calculations, or process knowledge.

When requested by the Department or EPA Administrator, demonstrate that the chemical manufacturing process unit does not use as a reactant or manufacture as a product or co-product any organic hazardous air pollutant.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 183: Sampling and Monitoring

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.11(a)

Item 183.1:

This Condition applies to Emission Unit: U-BMS01

Process: 010

Item 183.2:

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 184: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 184.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01 Emission Point: 20376

Process: 003 Emission Source: 14001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 184.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of solid particulates are limited to a maximum of 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. The operational pressure drop on emission source FE 005 (fabric collector) will be continuously recorded and averaged daily to indicate maintenance of the required control efficiency. The pressure drop monitoring system will be calibrated annually to ensure proper instrument

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Manufacturer Name/Model Number: Fabric Collector
Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 1.0 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 185: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 185.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BMS01 Emission Point: 29175
Process: 003 Emission Source: 12039

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

Item 185.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Monitoring Description:

Emissions of solid particulates are limited to a maximum of 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. This control device will be maintained per the manufacturer's recommendations using good engineering practice. Ongoing maintenance records shall be maintained for this device. The scrubber is installed with a solenoid valve that activates water flow when the scrubber blower is started. This control device is used to collect particulates generated inside a building during the manual addition of carbon to a process vessel for approx. 30 minutes per day, however if this device is not operated during carbon addition, no emissions to atmosphere result.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 186: Recordkeeping for leaks - Part 233.5(b)

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.5

Item 186.1:

This Condition applies to Emission Unit: U-TIL03

Item 186.2:

For any leak subject to Part 233.3(g), which cannot be readily repaired within one day after detection, the following records must be kept:

- (1) the name of the leaking equipment;
- (2) the date and time the leak is detected;
- (3) the action taken to repair the leak; and
- (4) the date and time the leak is repaired.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Condition 187: Storage tank requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 187.1:

This Condition applies to Emission Unit: U-TIL03
Process: M07

Item 187.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 188: Storage tank requirements
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 188.1:

This Condition applies to Emission Unit: U-TIL03
Process: U07

Item 188.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 189: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 189.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-TIL03 Emission Point: 20301

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 189.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The removal efficiency for hydrogen sulfide shall

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



correspond to the requirements specified in 6 NYCRR Part 212.9(b), Table 2. In accordance with Part 212, a B rating is established for hydrogen sulfide.

A compliance demonstration (stack test) shall be performed at least once per permit term to determine the removal efficiency of hydrogen sulfide. Prior to testing, BMS shall submit a stack test protocol for NYSDEC approval for the stack testing of hydrogen sulfide. BMS shall complete stack testing within 60 days of notification that the stack test protocol has been approved. An acceptable stack test report shall be submitted within 45 days of the completion of the stack testing.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable and are not subject to annual compliance certification requirements for Title V permits.

Condition 190: Contaminant List

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: ECL 19-301.

Item 190.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

CAS No: 0NY100-00-0

Name: HAP

CAS No: 007783-06-4

Name: HYDROGEN SULFIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 191: Unavoidable noncompliance and violations

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 191.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

of the emission rates. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 192: Air pollution prohibited
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 211.2

Item 192.1:

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

Condition 193: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 225-1.2(a)(2)

Item 193.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 193.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

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

Condition 194: Compliance Demonstration

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 227-1.2(a)(2)

Item 194.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CMBUS
Process: C32

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

Item 194.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of
boilers (connected to the same emission point) with a
maximum heat input exceeding 50 mmBtu per hour but no
greater than 250 mmBtu per hour firing oil, other than
distillate oil.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: Method 5 / Method 17
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 195: Continuous monitors for control equipment.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.11(b)

Item 195.1:

This Condition applies to Emission Unit: U-BMS01
Process: 003

Item 195.2:

Owners and/or operators of any source equipped with the following emissions control equipment must install continuous monitors and data recorders for the required parameter by June 1, 1995. Continuous monitors must be operated at all times when the associated process equipment is operating except during any quality assurance and routine maintenance activities. Each monitor must be operated according to a quality assurance program approved by the Department. Alternative monitoring methods may be employed subject to Department approval.

- (1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.**
- (2) The temperature rise across catalytic incinerator beds must be monitored.**
- (3) The volatile organic compound outlet concentrations must be monitored from fixed-bed carbon adsorption units.**
- (4) The outlet gas temperature must be monitored from refrigerated condensers.**
- (5) Other parameters must be monitored if required by conditions on an issued permit.**

Condition 196: Emissions from new emission sources and/or modifications
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 196.1:

This Condition applies to Emission Unit: U-BMS01
Process: 005

Item 196.2:

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.



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Condition 197: Compliance Demonstration

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 197.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-BMS01

Process: 010

Item 197.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 75321, Process 010, Emission Sources: 18004, 18005, 18006, 18007, 18008, 18009, 18010, 18011, 18012, 18013, 18014, 18015, 18048, 18033, 18034, 18035, 18036, 18037, and 18038 Emission/Source Control AC010/AC015 (Condenser/Scrubber), AC000/AC014 (Condenser/Scrubber) .

Emissions shall not exceed the permissible emission rate for the required degree of control as determined from 6NYCRR Part 212, Table 2 for the environmental rating assigned to each contaminant emitted. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department for this facility. All contaminants not rated 'A' shall be assigned an environmental rating of 'B' to determine the degree of air cleaning required.

When the process is in operation, the scrubber liquid flow rate shall be maintained at a minimum flow rate of 30 gallons per minute and continuously recorded. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 2 of Part 212.9(b)]. The liquid flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 12 calendar month(s).

Condition 198: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 198.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-BMS01
Process: 010

Item 198.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 75320, Process 010, Emission Sources: 18016, 18017, 18018, 18019, 18020, 18021, 18022, 18023, 18024, 18025, 18026, 18027, 18028, 18029, 18030, 18031, 18032 18039, 18040, 18041, 18042, 18043, 18044, 18045, 18046, 18047, Emission Source/Control 20007, 20013-17, (Device CER,

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Reactors R-31 thru R-35), OS005 (Condenser).

Emissions shall not exceed the permissible emission rate for the required degree of control as determined from 6NYCRR Part 212, Table 2 for the environmental rating assigned to each contaminant emitted. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department for this facility. All contaminants not rated 'A' shall be assigned an environmental rating of 'B' to determine the degree of air cleaning required..

When the process is in operation, the scrubber liquid flow rate shall be maintained at a minimum flow rate of 69 gallons per minute and continuously recorded. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 2 of Part 212.9(b)]. The liquid flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition is dependant upon an emission source being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/03.

Subsequent reports are due every 6 calendar month(s).

Condition 199: Compliance Demonstration

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 199.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-BMS01

Process: 010

Item 199.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 25N00, Process 010, Emission Sources: 20008, 20009, 20033, 20034, 20035, 20036, 20037, 20038, 20039, 20040, 20041, 20042, 20043, 20044, 20045, 20046, 20047, 20048, 20049, 20050, 20051, 20052, 20053, 20054, and 20055 and Emission Point 25001, Emission Sources: 20011 and 20012, and Emission Point 25168, Emission Sources: 20007, and 20011-20030 and Emission Source/Control OS007 and OS008 (mobile condensers), OS003/OS004 (Condenser/Packed Tower)

Emissions shall not exceed the permissible emission rate for the required degree of control as determined from 6NYCRR Part 212, Table 2 for the environmental rating assigned to each contaminant emitted. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department for this facility. All contaminants not rated 'A' shall be assigned an environmental rating of 'B' to determine the degree of air cleaning required.

When the process is in operation, the scrubber liquid flow rate shall be maintained and monitored with a monometer that relates to a water column of 4" of water and is

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



continuously recorded. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 2 of Part 212.9(b)]. The liquid flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 200: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 200.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-BMS01
Process: 010

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Item 200.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

f0Monitoring Description:

This condition applies to Emission Unit UBMS01, Emission Point 24177, Process 010, Emission Sources 19025, 19038, 19039, 19040, 19041 and Emission/Source Control BC001 (Wet Scrubber) .

Emissions shall not exceed the permissible emission rate for the required degree of control as determined from 6NYCRR Part 212, Table 2 for the environmental rating assigned to each contaminant emitted. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department for this facility. All contaminants not rated 'A' shall be assigned an environmental rating of 'B' to determine the degree of air cleaning required..

When the process is in operation, the scrubber liquid flow rate shall be maintained at a minimum flow rate of 36 gallons per minute and continuously recorded. The scrubbing liquid pH shall be recorded once per day to demonstrate maintenance of a minimum pH of 10 standard units to indicate that the required control efficiency is achieved. The vapor condenser outlet gas temperature will be continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 2 of Part 212.9(b)]. The liquid flow rate, pH, and temperature monitoring systems will be calibrated quarterly to ensure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the



New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016

OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

Condition 201: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 212.4(a)

Item 201.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-BMS01
Process: 010

Item 201.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Unit UBMS01 Emission Point 24A23, Process 010, Emission Sources 19026, 19027, 19028, 19029 and Emission Point 24A03, Emission Sources 19034, 19035, 19036, 19037, and Emission Source/Control BC011 (Condenser) which are associated with a current facility operating scenario.

Emissions shall not exceed the permissible emission rate for the required degree of control as determined from 6NYCRR Part 212, Table 2 for the environmental rating assigned to each contaminant emitted. A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department for this facility. All contaminants not rated 'A' shall be assigned an environmental rating of 'B' to determine the degree of air cleaning required..

The vapor condenser outlet gas temperature will be

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



continuously recorded and averaged daily to indicate that the required control efficiency is achieved [see Table 2 of Part 212.9(b)]. The temperature monitoring system will be calibrated quarterly to insure proper instrument readings.

For purposes of this condition, continuously shall be data collection at least every 15 minutes as defined per 40 CFR 63.1251, and the collection of monitoring data sufficient to constitute a valid hour of data for at least 75 percent of the hours of control device operation in an operating day. Monitoring data are sufficient to constitute a valid hour of data if measured values are available for all of the required 15 minute periods.

This condition does not list all applicable emission sources that may become subject to this condition. This condition may apply to other emission sources being utilized under operating scenario 2 as defined in the OFP, section III, Alternate Operating Scenarios and the emission unit matrix. The facility shall maintain documentation of an emission sources' use, the process it is operating under, and which regulations apply.

Manufacturer Name/Model Number: Vapor Condenser
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/03.
Subsequent reports are due every 6 calendar month(s).

**Condition 202: Continuous monitors for control equipment.
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable State Requirement: 6NYCRR 212.11(b)

Item 202.1:

This Condition applies to Emission Unit: U-BMS01
Process: 010

Item 202.2:

Owners and/or operators of any source equipped with the following emissions control equipment must install continuous monitors and data recorders for the required parameter by June 1, 1995. Continuous monitors must be operated at all times when the associated process equipment is operating except during any quality assurance and routine maintenance activities. Each monitor must be operated according to a quality assurance program approved by the Department.

New York State Department of Environmental Conservation

Permit ID: 7-3126-00016/00263

Facility DEC ID: 7312600016



Alternative monitoring methods may be employed subject to Department approval.

- (1) The exhaust gas temperature must be monitored from thermal or catalytic incinerators.**
- (2) The temperature rise across catalytic incinerator beds must be monitored.**
- (3) The volatile organic compound outlet concentrations must be monitored from fixed-bed carbon adsorption units.**
- (4) The outlet gas temperature must be monitored from refrigerated condensers.**
- (5) Other parameters must be monitored if required by conditions on an issued permit.**