

New York State Department of Environmental Conservation
Facility DEC ID: 8261400344



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2614-00344/00307
Effective Date: 10/26/2001 Expiration Date: 10/26/2006

Permit Issued To: ARCH CHEMICALS INC
501 MERRITT SEVEN
NORWALK, CT 06856

Contact: RICHARD W. GAHAGAN
ARCH CHEMICALS, INC
100 MCKEE RD
ROCHESTER, NY 14611
(716) 436-3030

Facility: ARCH CHEMICALS INC
100 MCKEE RD
ROCHESTER, NY 14611

Description:

Initial Title V Facility Permit for existing operations at an industrial and agricultural chemical manufacturing facility. The Arch Chemicals Rochester Facility meets the definition of a Major Source in 6 NYCRR Part 201-2.1(b)(21), and is subject to Part 201-6 requirements for a Title V Facility Permit due to potential emissions of volatile organic compounds (VOC) in excess of 50 tons per year, total hazardous air pollutants (HAP) in excess of 25 tons per year, and individual HAP compounds in excess of 10 tons per year. HAP emitted include methanol, carbon tetrachloride, chloroform, hydrochloric acid, and chlorine. Other contaminants emitted include particulates, oxides of nitrogen, sulfur dioxide, and carbon monoxide from facility boilers. In addition, there are fugitive emissions from pretreatment of the facility's wastewater.

28 Emission Units (EU) are grouped into "Areas" which include processes involved in production of related compounds. A 29th Emission Unit includes the facility's 2 boilers:

1. EU A-00001: A-Area ventilation systems (7 Emission Points (EP)) for reactor man ways, filter hoods, spot ventilation, weigh shed and other miscellaneous emission sources.
2. EU A-00002: A-Area solids drying systems (4 EP) venting rotary vacuum dryers and associated drum out stations.
3. EU A-00003: A-Area Part 229 regulated organic compound storage tanks (9 EP) venting through control equipment.
4. EU A-00004: A-Area Part 212 regulated storage tanks (9 EP) used to store hydrogen peroxide, acetic acid, zinc contaminated waste water, and hydrochloric acid. No control equipment, except for the HCl tank which is vented through a scrubber.
5. EU A-00005: A-Area process reaction equipment (5 EP) venting through scrubber systems.
6. EU A-00006: A-Area process reaction equipment (7 EP) without scrubber systems.



New York State Department of Environmental Conservation

Facility DEC ID: 8261400344

7. EU A-00007: A-Area filtration system ventilation (1 EP) venting through a baghouse.
8. EU A-00008: A-Area solvent recovery systems (2 EP).
9. EU B-00001: B-Area ventilation systems (10 EP) for reactor manways, drumout stations, and other miscellaneous emission sources.
10. EU B-00002: B-Area Part 229 regulated organic storage tanks (4 EP) venting through control equipment.
11. EU B-00003: B-Area Part 212 regulated storage tanks (13 EP) without control equipment.
12. EU B-00004: B-Area process reaction equipment (4 EP) venting through scrubber systems.
13. EU B-00005: B-Area process reaction equipment (9 EP) without scrubber systems.
14. EU B-00006: B-Area distillation equipment (1 EP) for recovery of organic compounds from the 2-chloropyridine production process.
15. EU B-00007: B-Area 2-chloropyridine production reactor with emission controls (1 EP).
16. EU B-00008: B-Area 2-chloropyridine production equipment venting through a wet scrubber (1 EP).
17. EU C-00001: C-Area process equipment for production of trichloroacetonitrile (1 EP).
18. EU C-00002: C-Area ventilation system (1 EP) for reactor charging and drumming out.
19. EU C-00003: C-Area Part 212 regulated storage tanks (1 EP).
20. EU C-00004: C-Area process reaction equipment (1 EP) without control equipment required.
21. EU C-00005: C-Area process reaction equipment (2 EP) venting through control equipment.
22. EU C-00006: C-Area solids handling equipment (2 EP).
23. EU D-00001: D-Area process equipment (2 EP) used for batch and vacuum distillations.
24. EU D-00002: D-Area ventilation systems (2 EP) for reactors and ventilation around chemical handling systems.
25. EU D-00003: D-Area process equipment (1 EP) for the decomposition of trichloroacetonitrile.
26. EU D-00004: D-Area process equipment (2 EP) for storage and treatment of organic contaminated waste water.
27. EU D-00005: D-Area Part 212 regulated storage tanks (2 EP).
28. EU D-00006: D-Area solids handling equipment (3 EP) with particulate control equipment.
29. EU U-BOLRS: Two 22.15 million BTU per hour natural gas fired boilers which can also burn #2 fuel oil as a backup.

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: PETER A. LENT
6274 EAST AVON LIMA RD
AVON, NY 14414-9519

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

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 to Obtain Any 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 8
HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

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

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for

New York State Department of Environmental Conservation
Facility DEC ID: 8261400344



modification, suspension or revocation include:

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ARCH CHEMICALS INC
501 MERRITT SEVEN
NORWALK, CT 06856

Contact: RICHARD W. GAHAGAN
ARCH CHEMICALS, INC
100 MCKEE RD
ROCHESTER, NY 14611
(716) 436-3030

Facility: ARCH CHEMICALS INC
100 MCKEE RD
ROCHESTER, NY 14611

Authorized Activity By Standard Industrial Classification Code:
2865 - CYCLIC CRUDES AND INTERMEDIATE
2869 - INDUSTRIAL ORGANIC



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 Sealing
- 2 Acceptable ambient air quality
- 3 Maintenance of equipment
- 4 Unpermitted Emission Sources
- 5 Unavoidable Noncompliance and Violations
- 6 Emergency Defense
- 7 Recycling and Salvage
- 8 Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 Public Access to Recordkeeping for Title V facilities
- 10 Proof of Eligibility
- 11 Proof of Eligibility
- 12 Applicable Criteria, Limits, Terms, Conditions and Standards
- 13 Cessation or Reduction of Permitted Activity Not a Defense
- 14 Compliance Requirements
- 15 Federally-Enforceable Requirements
- 16 Fees
- 17 Monitoring, Related Recordkeeping and Reporting Requirements
- 18 Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 19 Permit Shield
- 20 Property Rights
- 21 Reopening for Cause
- 22 Right to Inspect
- 23 Severability
- 24 Emission Unit Definition
- 25 Compliance Certification
- 26 Compliance Certification
- 27 Compliance Certification
- 28 Permit Exclusion Provisions
- 29 Required emissions tests
- 30 Acceptable procedures
- 31 Separate emission test by the commissioner
- 32 Compliance Certification
- 33 Recordkeeping requirements
- 34 Visible emissions limited.
- 35 Compliance Certification
- 36 Compliance Certification
- 37 Open Fires Prohibited at Industrial and Commercial Sites
- 38 Compliance Certification
- 39 Permit submission requirement
- 40 Testing and monitoring requirements



- 41 Applicability
- 42 Recycling and Emissions Reduction
- Emission Unit Level**
- 43 Emission Point Definition By Emission Unit
- 44 Process Definition By Emission Unit
- 45 Compliance Certification (EU=A-00001,Proc=A10)
- 46 Compliance Certification (EU=A-00001,Proc=A10)
- 47 Compliance Certification (EU=A-00001,Proc=A10)
- 48 Compliance Certification (EU=A-00001,Proc=A10)
- 49 Compliance Certification (EU=A-00001,Proc=A11)
- 50 Compliance Certification (EU=A-00001,Proc=A11)
- 51 Compliance Certification (EU=A-00001,Proc=A11)
- 52 Compliance Certification (EU=A-00001,Proc=A12)
- 53 Compliance Certification (EU=A-00002,EP=A0077)
- 54 Compliance Certification (EU=A-00002,EP=A0077)
- 55 Compliance Certification (EU=A-00002,EP=A0078)
- 56 Compliance Certification (EU=A-00002,EP=A0078)
- 57 Compliance Certification (EU=A-00002,EP=A0101)
- 58 Compliance Certification (EU=A-00002,EP=A0101)
- 59 Compliance Certification (EU=A-00002,EP=A0118)
- 60 Emissions from two or more devices through one emission point
- 61 Emissions from two or more devices through one stack -
Concentration standard
- 62 Compliance Certification (EU=A-00003)
- 63 Compliance Certification (EU=A-00003,Proc=A30)
- 64 Compliance Certification (EU=A-00003,Proc=A31)
- 65 Compliance Certification (EU=A-00003,Proc=A34)
- 66 Compliance Certification (EU=A-00003,EP=A0002,Proc=A33)
- 67 Compliance Certification (EU=A-00003,EP=A0041,Proc=A32)
- 68 Compliance Certification (EU=A-00003,EP=A0052,Proc=A34)
- 69 Emissions from two or more devices through one emission point
- 70 Emissions from two or more devices through one stack -
Concentration standard
- 71 Compliance Certification (EU=A-00004,Proc=A40)
- 72 Compliance Certification (EU=A-00004,Proc=A41)
- 73 Compliance Certification (EU=A-00004,Proc=A42)
- 74 Compliance Certification (EU=A-00004,Proc=A43)
- 75 Compliance Certification (EU=A-00004,Proc=A44)
- 76 Compliance Certification (EU=A-00004,Proc=A45)
- 77 Emissions from two or more devices through one emission point
- 78 Emissions from two or more devices through one stack -
Concentration standard
- 79 Compliance Certification (EU=A-00005,Proc=A50)
- 80 Compliance Certification (EU=A-00005,Proc=A50)
- 81 Compliance Certification (EU=A-00005,Proc=A50,ES=A5001)
- 82 Compliance Certification (EU=A-00005,Proc=A50,ES=A5002)
- 83 Compliance Certification (EU=A-00005,Proc=A50,ES=A5004)
- 84 Compliance Certification (EU=A-00005,Proc=A51)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

- 85 Compliance Certification (EU=A-00005,Proc=A51)
- 86 Compliance Certification (EU=A-00005,Proc=A51)
- 87 Compliance Certification (EU=A-00005,Proc=A51)
- 88 Compliance Certification (EU=A-00005,Proc=A52)
- 89 Compliance Certification (EU=A-00005,Proc=A52)
- 90 Compliance Certification (EU=A-00005,Proc=A52)
- 91 Compliance Certification (EU=A-00005,Proc=A52)
- 92 Compliance Certification (EU=A-00005,Proc=A52)
- 93 Compliance Certification (EU=A-00005,Proc=A52)
- 94 Compliance Certification (EU=A-00005,Proc=A53)
- 95 Compliance Certification (EU=A-00005,Proc=A53)
- 96 Compliance Certification (EU=A-00005,Proc=A53)
- 97 Compliance Certification (EU=A-00005,Proc=A53)
- 98 Compliance Certification (EU=A-00005,Proc=A53)
- 99 Compliance Certification (EU=A-00005,Proc=A53)
- 100 Compliance Certification (EU=A-00005,Proc=A53)
- 101 Compliance Certification (EU=A-00005,Proc=A54)
- 102 Compliance Certification (EU=A-00005,Proc=A54)
- 103 Compliance Certification (EU=A-00005,Proc=A54)
- 104 Emissions from two or more devices through one emission point
- 105 Emissions from two or more devices through one stack -
Concentration standard
- 106 Compliance Certification (EU=A-00006,Proc=A62)
- 107 Compliance Certification (EU=A-00006,Proc=A63)
- 108 Compliance Certification (EU=A-00006,Proc=A64)
- 109 Compliance Certification (EU=A-00006,EP=A0036,Proc=A60)
- 110 Compliance Certification (EU=A-00006,EP=A0036,Proc=A60)
- 111 Compliance Certification (EU=A-00006,EP=A0042,Proc=A61)
- 112 Compliance Certification (EU=A-00006,EP=A0064,Proc=A60)
- 113 Compliance Certification (EU=A-00006,EP=A0064,Proc=A60)
- 114 Compliance Certification (EU=A-00006,EP=A0097,Proc=A65)
- 115 Compliance Certification (EU=A-00006,EP=A0097,Proc=A65)
- 116 Compliance Certification (EU=A-00006,EP=A0097,Proc=A65)
- 117 Compliance Certification (EU=A-00006,EP=A0097,Proc=A65)
- 118 Compliance Certification (EU=A-00007,Proc=A70)
- 119 Compliance Certification (EU=A-00007,Proc=A70)
- 120 Compliance Certification (EU=A-00007,Proc=A70)
- 121 Emissions from two or more devices through one emission point
- 122 Emissions from two or more devices through one stack -
Concentration standard
- 123 Compliance Certification (EU=A-00008,Proc=A80)
- 124 Compliance Certification (EU=A-00008,Proc=A81)
- 125 Compliance Certification (EU=B-00001,Proc=B10)
- 126 Compliance Certification (EU=B-00001,Proc=B10)
- 127 Compliance Certification (EU=B-00001,Proc=B10)
- 128 Compliance Certification (EU=B-00001,Proc=B12)
- 129 Compliance Certification (EU=B-00001,Proc=B12)
- 130 Compliance Certification (EU=B-00001,Proc=B12)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

- 131 Compliance Certification (EU=B-00001,Proc=B13)
- 132 Compliance Certification (EU=B-00001,Proc=B13)
- 133 Compliance Certification (EU=B-00001,Proc=B14)
- 134 Compliance Certification (EU=B-00001,Proc=B14)
- 135 Compliance Certification (EU=B-00001,Proc=B14)
- 136 Compliance Certification (EU=B-00001,Proc=B14)
- 137 Compliance Certification (EU=B-00001,Proc=B14)
- 138 Compliance Certification (EU=B-00001,Proc=B14)
- 139 Compliance Certification (EU=B-00001,Proc=B15)
- 140 Compliance Certification (EU=B-00001,Proc=B15)
- 141 Compliance Certification (EU=B-00001,Proc=B15)
- 142 Compliance Certification (EU=B-00001,Proc=B16)
- 143 Compliance Certification (EU=B-00001,Proc=B16)
- 144 Compliance Certification (EU=B-00001,Proc=B16)
- 145 Compliance Certification (EU=B-00001,Proc=B16)
- 146 Compliance Certification (EU=B-00001,Proc=B16)
- 147 Compliance Certification (EU=B-00001,Proc=B16)
- 148 Compliance Certification (EU=B-00001,EP=B0004,Proc=B11)
- 149 Compliance Certification (EU=B-00001,EP=B0081,Proc=B11)
- 150 Emissions from two or more devices through one emission point
- 151 Emissions from two or more devices through one stack -
Concentration standard
- 152 Compliance Certification (EU=B-00002)
- 153 Compliance Certification (EU=B-00002,Proc=B20)
- 154 Compliance Certification (EU=B-00002,Proc=B22)
- 155 Compliance Certification (EU=B-00002,Proc=B24)
- 156 Emissions from two or more devices through one emission point
- 157 Emissions from two or more devices through one stack -
Concentration standard
- 158 Compliance Certification (EU=B-00003,Proc=B30)
- 159 Compliance Certification (EU=B-00003,Proc=B31)
- 160 Compliance Certification (EU=B-00003,Proc=B32)
- 161 Compliance Certification (EU=B-00003,Proc=B33)
- 162 Compliance Certification (EU=B-00003,Proc=B33)
- 163 Compliance Certification (EU=B-00003,Proc=B33)
- 164 Compliance Certification (EU=B-00003,Proc=B34)
- 165 Compliance Certification (EU=B-00003,Proc=B35)
- 166 Compliance Certification (EU=B-00003,Proc=B36)
- 167 Emissions from two or more devices through one emission point
- 168 Emissions from two or more devices through one stack -
Concentration standard
- 169 Compliance Certification (EU=B-00004,Proc=B40)
- 170 Compliance Certification (EU=B-00004,Proc=B40)
- 171 Compliance Certification (EU=B-00004,Proc=B40)
- 172 Compliance Certification (EU=B-00004,Proc=B41)
- 173 Compliance Certification (EU=B-00004,Proc=B41)
- 174 Compliance Certification (EU=B-00004,Proc=B42)
- 175 Compliance Certification (EU=B-00004,Proc=B42)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

- 176 Compliance Certification (EU=B-00004,Proc=B42)
- 177 Compliance Certification (EU=B-00004,Proc=B43)
- 178 Compliance Certification (EU=B-00004,Proc=B43)
- 179 Emissions from two or more devices through one emission point
- 180 Emissions from two or more devices through one stack -
Concentration standard
- 181 Compliance Certification (EU=B-00005,Proc=B50)
- 182 Compliance Certification (EU=B-00005,Proc=B51)
- 183 Compliance Certification (EU=B-00005,Proc=B51)
- 184 Compliance Certification (EU=B-00005,Proc=B51)
- 185 Compliance Certification (EU=B-00005,Proc=B51)
- 186 Compliance Certification (EU=B-00005,Proc=B53)
- 187 Compliance Certification (EU=B-00005,Proc=B53)
- 188 Compliance Certification (EU=B-00005,Proc=B53)
- 189 Compliance Certification (EU=B-00005,Proc=B53)
- 190 Compliance Certification (EU=B-00005,Proc=B54)
- 191 Compliance Certification (EU=B-00005,Proc=B54)
- 192 Compliance Certification (EU=B-00005,Proc=B54)
- 20193 Compliance Certification (EU=B-00005,Proc=B54)
- 194 Compliance Certification (EU=B-00005,Proc=B55)
- 195 Compliance Certification (EU=B-00005,Proc=B55)
- 196 Compliance Certification (EU=B-00005,Proc=B56)
- 197 Compliance Certification (EU=B-00005,Proc=B57)
- 198 Compliance Certification (EU=B-00005,EP=B0054,Proc=B52)
- 199 Compliance Certification (EU=B-00005,EP=B0067,Proc=B52)
- 200 Emissions from two or more devices through one emission point
- 201 Emissions from two or more devices through one stack -
Concentration standard
- 202 Compliance Certification (EU=B-00006,Proc=B60)
- 203 Compliance Certification (EU=B-00006,Proc=B61)
- 204 Compliance Certification (EU=B-00006,Proc=B61)
- 205 Emissions from two or more devices through one emission point
- 206 Emissions from two or more devices through one stack -
Concentration standard
- 207 Compliance Certification (EU=B-00007,Proc=B70)
- 208 Compliance Certification (EU=B-00007,Proc=B71)
- 209 Compliance Certification (EU=B-00007,Proc=B71)
- 210 Emissions from two or more devices through one emission point
- 211 Emissions from two or more devices through one stack -
Concentration standard
- 212 Compliance Certification (EU=B-00008,Proc=B80)
- 213 Compliance Certification (EU=B-00008,Proc=B80)
- 214 Compliance Certification (EU=B-00008,Proc=B81)
- 215 Compliance Certification (EU=B-00008,Proc=B81)
- 216 Compliance Certification (EU=B-00008,Proc=B81)
- 217 Emissions from two or more devices through one emission point
- 218 Emissions from two or more devices through one stack -
Concentration standard



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

- 219 Compliance Certification (EU=C-00001,Proc=C10)
- 220 Compliance Certification (EU=C-00001,Proc=C10)
- 221 Compliance Certification (EU=C-00001,Proc=C10)
- 222 Compliance Certification (EU=C-00001,Proc=C10)
- 223 Compliance Certification (EU=C-00001,Proc=C10)
- 224 Compliance Certification (EU=C-00001,Proc=C10)
- 225 Emissions from two or more devices through one emission point
- 226 Emissions from two or more devices through one stack -
Concentration standard
- 227 Compliance Certification (EU=C-00002,Proc=C20)
- 228 Compliance Certification (EU=C-00002,Proc=C20)
- 229 Compliance Certification (EU=C-00002,Proc=C20)
- 230 Compliance Certification (EU=C-00003,Proc=C33)
- 231 Emissions from two or more devices through one emission point
- 232 Emissions from two or more devices through one stack -
Concentration standard
- 233 Compliance Certification (EU=C-00004,Proc=C40)
- 234 Compliance Certification (EU=C-00004,Proc=C40)
- 235 Compliance Certification (EU=C-00004,Proc=C40)
- 236 Emissions from two or more devices through one emission point
- 237 Emissions from two or more devices through one stack -
Concentration standard
- 238 Compliance Certification (EU=C-00005,EP=C0002,Proc=C50)
- 239 Compliance Certification (EU=C-00005,EP=C0002,Proc=C50)
- 240 Compliance Certification (EU=C-00005,EP=C0002,Proc=C50)
- 241 Compliance Certification (EU=C-00005,EP=C0015,Proc=C50)
- 242 Compliance Certification (EU=C-00005,EP=C0015,Proc=C50)
- 243 Compliance Certification (EU=C-00005,EP=C0015,Proc=C50)
- 244 Compliance Certification (EU=C-00005,EP=C0015,Proc=C51)
- 245 Compliance Certification (EU=C-00005,EP=C0015,Proc=C51)
- 246 Compliance Certification (EU=C-00005,EP=C0015,Proc=C51)
- 247 Compliance Certification (EU=C-00006,EP=C0023,Proc=C60)
- 248 Compliance Certification (EU=C-00006,EP=C0024,Proc=C60)
- 249 Emissions from two or more devices through one emission point
- 250 Emissions from two or more devices through one stack -
Concentration standard
- 251 Compliance Certification (EU=D-00001,Proc=D11)
- 252 Compliance Certification (EU=D-00001,Proc=D11)
- 253 Compliance Certification (EU=D-00001,EP=D0002,Proc=D10)
- 254 Compliance Certification (EU=D-00001,EP=D0002,Proc=D10)
- 255 Compliance Certification (EU=D-00001,EP=D0002,Proc=D10)
- 256 Compliance Certification (EU=D-00002,EP=D0003)
- 257 Compliance Certification (EU=D-00002,EP=D0003)
- 258 Compliance Certification (EU=D-00002,EP=D0017)
- 259 Emissions from two or more devices through one emission point
- 260 Emissions from two or more devices through one stack -
Concentration standard
- 261 Compliance Certification (EU=D-00003,Proc=D30)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

- 262 Compliance Certification (EU=D-00003,Proc=D30)
- 263 Emissions from two or more devices through one emission point
- 264 Emissions from two or more devices through one stack -
Concentration standard
- 265 Compliance Certification (EU=D-00004,Proc=D40)
- 266 Compliance Certification (EU=D-00004,Proc=D41)
- 267 Emissions from two or more devices through one emission point
- 268 Emissions from two or more devices through one stack -
Concentration standard
- 269 Compliance Certification (EU=D-00005,EP=D0015,Proc=D53)
- 270 Compliance Certification (EU=D-00005,EP=D0016,Proc=D53)
- 271 Compliance Certification (EU=D-00006,Proc=D60)
- 272 Compliance Certification (EU=D-00006,Proc=D60)
- 273 Compliance Certification (EU=D-00006,Proc=D61)
- 274 Compliance Certification (EU=D-00006,Proc=D61)
- 275 Compliance Certification (EU=U-BOLRS)

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 276 General Provisions
- 277 Contaminant List
- 278 Air pollution prohibited

CHEMICALS,NEC

- 2879 - AGRICULTURAL CHEMICALS, NEC

Permit Effective Date: 10/26/2001

Permit Expiration Date: 10/26/2006



New York State Department of Environmental Conservation
Permit ID: 8-2614-00344/00307 Facility DEC ID: 8261400344

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

Condition 1: Sealing
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

(a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

Condition 2: Acceptable ambient air quality
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 200.6

1

Item 2.1:

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

Condition 3: Maintenance of equipment
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Condition 4: Unpermitted Emission Sources
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Condition 5: Unavoidable Noncompliance and Violations
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 5.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

Condition 6: Emergency Defense
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 6.1:

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Condition 7: Recycling and Salvage
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-1.7

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 7.1:

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

Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 8.1:

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

Condition 9: Public Access to Recordkeeping for Title V facilities

Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 9.1:

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.

Condition 10: Proof of Eligibility

Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 10.1:

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

Condition 11: Proof of Eligibility

Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 11.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

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

Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 12.1:

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

Item 12.2:

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

Condition 13: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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.

Condition 14: Compliance Requirements
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 14.1:

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;
- 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 the responsible official, consistent with Section 201-6.3 of Part 201.

Item 14.2:

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

Item 14.3:

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.

**Condition 15: Federally-Enforceable Requirements
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



only state regulations.

0Condition 16: Fees

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

The permittee shall pay the required fees associated with this permit.

Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, 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 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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 relieve the permittee from the requirement to comply with any condition contained in this permit.

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.

Condition 19: Permit Shield

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 19.1:

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield. For those facilities for which a permit shield has been granted, 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 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.

Condition 20: Property Rights

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

Condition 21: Reopening for Cause

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

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.

Item 21.2:

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.

Item 21.3:

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 a shorter time period in the case of an emergency.

Condition 22: Right to Inspect

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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 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.

Condition 23: Severability

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

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.

Condition 24: Emission Unit Definition
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Emission Unit: A-00001

Emission Unit Description:

A-AREA ventilation systems for reactor man ways, filter hoods, spot ventilation, weigh shed and other miscellaneous emission sources.

Building(s): A-AREA

Item 24.2:

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

Emission Unit: A-00002

Emission Unit Description:

A-AREA SOLIDS DRYING SYSTEMS.

Building(s): A-AREA

Item 24.3:

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

Emission Unit: A-00003

Emission Unit Description:

A-AREA ORGANIC CHEMICAL STORAGE TANKS:
REGULATED UNDER NYCRR PART 229.

Building(s): A-AREAOST
A-AREAREF

Item 24.4:

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

Emission Unit: A-00004

Emission Unit Description:

A-AREA STORAGE TANKS: NOT REGULATED UNDER
NYCRR PART 229.

Building(s): A-AREAIST

Item 24.5:

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

Emission Unit: A-00005



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit Description:

A-AREA EQUIPMENT WHICH UTILIZE SCRUBBER
SYSTEMS FOR EMISSION CONTROLS.

Building(s): A-AREA
A-AREATR2

Item 24.6:

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

Emission Unit: A-00006

Emission Unit Description:

A-AREA REACTORS WITHOUT SCRUBBERS.

Building(s): A-AREA

Item 24.7:

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

Emission Unit: A-00007

Emission Unit Description:

A-AREA FILTRATION SYSTEMS.

Building(s): A-AREA

Item 24.8:

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

Emission Unit: A-00008

Emission Unit Description:

A-AREA SOLVENT RECOVERY.

Building(s): A-AREA

Item 24.9:

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

Emission Unit: B-00001

Emission Unit Description:

B-AREA VENTILATION SYSTEMS FOR REACTOR
MANWAYS, DRUMOUT STATIONS, SPOT
VENTILATION, AND OTHER MISCELLANEOUS
EMISSION SOURCES.

Building(s): B-AREA
B-AREACL3
B-AREATR2
WAREHOUSE

Item 24.10:

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

Emission Unit: B-00002

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit Description:

B-AREA PROCESS STORAGE TANKS THAT ARE
REGULATED UNDER 6 NYCRR PART 229.

Building(s): B-AREA
B-AREAOST

Item 24.11:

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

Emission Unit: B-00003

Emission Unit Description:

B-AREA PROCESS STORAGE TANKS THAT ARE NOT
REGULATED UNDER 6 NYCRR PART 229.

Building(s): B-AREA
B-AREACL2
B-AREAIST
B-AREATR2
PRETREAT

Item 24.12:

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

Emission Unit: B-00004

Emission Unit Description:

B-AREA REACTORS WHICH UTILIZE SCRUBBER
SYSTEMS FOR EMISSION CONTROLS.

Building(s): B-AREA
B-AREATR2

Item 24.13:

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

Emission Unit: B-00005

Emission Unit Description:

B-AREA REACTORS WHICH DO NOT UTILIZE
SCRUBBER SYSTEMS FOR EMISSION CONTROLS,
EITHER BECAUSE THE EMISSIONS DO NOT REQUIRE
SUCH CONTROL MEASURES OR ALTERNATIVE
EMISSION CONTROL DEVICES ARE USED.

Building(s): B-AREA
B-AREATR2

Item 24.14:

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

Emission Unit: B-00006

Emission Unit Description:

DISTILLATION COLUMN SYSTEMS UTILIZED TO



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

RECOVER VARIOUS ORGANICS (2-CHLOROPYRIDINE,
PYRIDINE, ETC.)

Building(s): B-AREA

Item 24.15:

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

Emission Unit: B-00007

Emission Unit Description:

VENTURI SCRUBBER SYSTEM S-B-38 IS UTILIZED TO CONTROL EMISSIONS FROM THE 2,6 DICHLOROPYRIDINE RECOVERY SYSTEM IN TWO PROCESS MODES (ONE WITH CARBON TETRACHLORIDE REMOVED FROM THE PROCESS AND ANOTHER WITH IT STILL IN USE).

Building(s): B-AREA

Item 24.16:

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

Emission Unit: B-00008

Emission Unit Description:

SCRUBBER SYSTEM S-CL-11 IS UTILIZED TO REMOVE ORGANICS FROM APPROXIMATELY 26 EMISSION SOURCES (SCRUBBERS, STORAGE TANKS, DISTILLATION COLUMNS, AND REACTORS) IN THE PRODUCTION OF 2-CHLOROPYRIDINE AND 2,6-DICHLOROPYRIDINE. TWO PROCESSES ARE ASSOCIATED WITH THIS EMISSION UNIT, ONE WITH CARBON TETRACHLORIDE REMOVED FROM THE PROCESS AND ANOTHER WHERE IT IS STILL IN USE.

Building(s): B-AREA

Item 24.17:

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

Emission Unit: C-00001

Emission Unit Description:

TRICHLOROACETONITRILE (TCAN) PROCESS: CHLORINATION REACTOR, DEGASSING COLUMN, AND CAUSTIC SCRUBBER.

Building(s): C-AREA

Item 24.18:

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

Emission Unit: C-00002



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit Description:

C-AREA VENTILATION SYSTEMS FOR REACTORS
WHEN CHARGING OR DRUMMING OUT.

Building(s): C-AREA

Item 24.19:

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

Emission Unit: C-00003

Emission Unit Description:

C-AREA PROCESS STORAGE TANKS WHICH ARE NON
ORGANIC AND ARE NOT REGULATED UNDER NYCRR
PART 229.

Building(s): C-AREA

Item 24.20:

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

Emission Unit: C-00004

Emission Unit Description:

C-AREA REACTORS FOR PRODUCTION OF
CHEMICALS NOT REQUIRING EMISSION CONTROLS.

Building(s): C-AREA

Item 24.21:

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

Emission Unit: C-00005

Emission Unit Description:

C-AREA REACTORS FOR PRODUCTION OF
CHEMICALS REQUIRING EMISSION CONTROLS.

Building(s): C-AREA

Item 24.22:

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

Emission Unit: C-00006

Emission Unit Description:

PARTICULATE (SOLIDS) HANDLING SYSTEMS AND
CONTROLS.

Building(s): C-AREA

Item 24.23:

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

Emission Unit: D-00001

Emission Unit Description:

TRICHLOROACETONITRILE BATCH DISTILLATION



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

AND CHEMICAL 2422 VACUUM DISTILLATION
SYSTEMS.

Building(s): D-AREA

Item 24.24:

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

Emission Unit: D-00002

Emission Unit Description:

D-AREA VENTILATION SYSTEMS FOR REACTORS
AND MISCELLANEOUS EMISSION SOURCES.

Building(s): D-AREA

Item 24.25:

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

Emission Unit: D-00003

Emission Unit Description:

TCAN (CAUSTIC) DECOMPOSITION AND
ASSOCIATED SCRUBBER SYSTEM.

Building(s): D-AREA

Item 24.26:

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

Emission Unit: D-00004

Emission Unit Description:

AQUEOUS WASTE ORGANIC REMOVAL AND STORAGE
SYSTEM.

Building(s): D-AREA

Item 24.27:

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

Emission Unit: D-00005

Emission Unit Description:

D-AREA PROCESS STORAGE TANKS THAT ARE NOT
REGULATED UNDER NYCRR PART 229.

Building(s): D-AREA

Item 24.28:

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

Emission Unit: D-00006

Emission Unit Description:

SOLIDS HANDLING SYSTEMS WHICH INCLUDE
BLENDING AND ASSOCIATED EMISSION CONTROL
SYSTEMS.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Building(s): D-AREA

Item 24.29:

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

Emission Unit: U-BOLRS

Emission Unit Description:

TWO 22.150 MM BTU/HR BOILERS FIRING
NATURAL GAS WITH #2 FUEL OIL BACKUP.

Condition 25: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

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 official for this facility.

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



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 every 6 calendar months (January - June, July - December)

Condition 26: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- 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.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



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

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

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BCME is as follows:

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

Subsequent reports are due on the same day each year

Condition 27: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPERATIONAL FLEXIBILITY:

(1) Certain changes and modifications which meet the criteria under (i)-(iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under this chapter;

(ii) changes which do not cause the source to become subject to any additional regulations or requirements under this chapter;

(iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping requirement under (1) above, the permittee must notify the department in writing at least 30 calendar days in advance of making changes involving:

(i) the relocation of emission points within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installations, device or control equipment.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



(3) The Department may require a permit modification to impose applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the requirement under (1) above or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the change for air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 28: Permit Exclusion Provisions
Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 28.1:

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 29: Required emissions tests
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 29.1:

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

Condition 30: Acceptable procedures
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 30.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 31: Separate emission test by the commissioner
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 202-1.4

Item 31.1:

The commissioner may conduct separate or additional emission tests on the behalf of the State to ascertain compliance or noncompliance with any air pollution code, rule, or regulation.

Condition 32: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

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

Condition 33: Recordkeeping requirements

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 33.1:

(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 34: Visible emissions limited.

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 34.1:

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

Condition 35: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The maintenance procedure applicable to this permit for

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



compliance with the opacity requirements under section 212.6(a) will include the following:

1. If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The facility owner and/or operator will observe all emission points or other sources of air pollution daily during daylight hours to monitor for unusual opacity conditions. The records of these observations will be recorded in a bound log book at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.
2. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.
3. If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 22)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(a)

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following compounds emitted from Arch Chemicals have been determined to have an environmental rating of "A":

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



1. Chlorine
2. Hydrogen Flouride
3. Chloroform
4. Carbon Tetrachloride

All other compounds at the facility are considered "B" rated contaminants.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 215.

Item 37.1:

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

Condition 38: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification 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 distillate oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent

Monitoring Frequency: PER DELIVERY

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



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 39: Permit submission requirement

Effective between the dates of 10/26/2001 and 10/26/2006

bApplicable Federal Requirement: 6NYCRR 229.1(a)

Item 39.1:

Prior to construction or operation of a new or modified process, the source owner must notify the Department, as required by Part 201.

Condition 40: Testing and monitoring requirements

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.4(a)

Item 40.1:

The owner and/or operator of a vapor collection and control system must follow notification requirements, protocol requirements, and test procedures of Part 202 of this title for testing and monitoring to determine compliance with the emission limits and control requirements required of this Part.

Condition 41: Applicability

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 40CFR 68.10(a), Subpart A

Item 41.1:

An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under §68.115, shall comply with the requirements of this part no later than the latest of the following dates:

- (1) June 21, 1999;**
- (2) Three years after the date on which a regulated substance is first listed under §68.130; or**
- (3) The date on which a regulated substance is first present above a threshold quantity in a process.**

The New York State Department of Environmental Conservation is not implementing the Chemical Accident Prevention Program (Part 68). All questions and plan submittals should be sent to the US Environmental Protection Agency, Region 2, New York City.

Condition 42: Recycling and Emissions Reduction

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 42.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 43: Emission Point Definition By Emission Unit
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 43.1:

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

Emission Unit: A-00001

Emission Point: A0014

Height (ft.): 18 Diameter (in.): 10
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0093

Height (ft.): 54 Diameter (in.): 24
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0120

Height (ft.): 46 Diameter (in.): 18
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0121



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Height (ft.): 46 Diameter (in.): 22
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0122
Height (ft.): 46 Diameter (in.): 10
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0123
Height (ft.): 46 Diameter (in.): 6
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0124
Height (ft.): 46 Diameter (in.): 6
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Item 43.2:

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

Emission Unit: A-00002

Emission Point: A0077
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0078
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0101
Height (ft.): 33 Diameter (in.): 22
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0118
Height (ft.): 21 Diameter (in.): 7
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Item 43.3:

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

Emission Unit: A-00003

Emission Point: A0002
Height (ft.): 45 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0027
Height (ft.): 24 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Point: A0038
Height (ft.): 13 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0039
Height (ft.): 13 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0041
Height (ft.): 31 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0052
Height (ft.): 11 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0053
Height (ft.): 15 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0056
Height (ft.): 15 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0059
Height (ft.): 15 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0061
Height (ft.): 11 Diameter (in.): 18
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAREF

Emission Point: A0062
Height (ft.): 9 Diameter (in.): 18
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAREF

Emission Point: A0071
Height (ft.): 44 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0072
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0112
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Point: A0113
Height (ft.): 10 Diameter (in.): 8
NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0125
Height (ft.): 2 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAREF

Item 43.4:

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

Emission Unit: A-00004

Emission Point: A0029
Height (ft.): 5 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0068
Height (ft.): 10 Diameter (in.): 24
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0069
Height (ft.): 10 Diameter (in.): 24
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0070
Height (ft.): 10 Diameter (in.): 24
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0089
Height (ft.): 13 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0091
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0104
Height (ft.): 2 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0110
Height (ft.): 2 Diameter (in.): 86
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Emission Point: A0114
Height (ft.): 25 Diameter (in.): 3

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAIST

Item 43.5:

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

Emission Unit: A-00005

Emission Point: A0001

Height (ft.): 31

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0007

Height (ft.): 31

Diameter (in.): 2

NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0094

Height (ft.): 2

Diameter (in.): 4

NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0099

Height (ft.): 35

Diameter (in.): 2

NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0119

Height (ft.): 45

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREATR2

Item 43.6:

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

Emission Unit: A-00006

Emission Point: A0036

Height (ft.): 36

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0042

Height (ft.): 35

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0064

Height (ft.): 2

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0097

Height (ft.): 46

Diameter (in.): 2

NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: A-AREA



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Point: A0098
Height (ft.): 15 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0111
Height (ft.): 37 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0117
Height (ft.): 29 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Item 43.7:

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

Emission Unit: A-00007

Emission Point: A0022
Height (ft.): 12 Diameter (in.): 18
NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: A-AREA

Item 43.8:

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

Emission Unit: A-00008

Emission Point: A0043
Height (ft.): 15 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREA

Emission Point: A0065
Height (ft.): 45 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: A-AREA

Item 43.9:

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

Emission Unit: B-00001

Emission Point: B0003
Height (ft.): 32 Diameter (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0004
Height (ft.): 30 Diameter (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0008



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Height (ft.): 30 Diameter (in.): 7
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0040
Height (ft.): 25 Length (in.): 12 Width (in.): 13
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0058
Height (ft.): 45 Diameter (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0070
Height (ft.): 607 Diameter (in.): 24
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREACL3

Emission Point: B0080
Height (ft.): 6 Diameter (in.): 7
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0081
Height (ft.): 35 Diameter (in.): 12
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: WAREHOUSE

Emission Point: B0082
Height (ft.): 50 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0084
Height (ft.): 10 Diameter (in.): 12
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: WAREHOUSE

Item 43.10:

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

Emission Unit: B-00002

Emission Point: B0010
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0021
Height (ft.): 25 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: B-AREAOST

Emission Point: B0065
Height (ft.): 25 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Point: B0071
Height (ft.): 25 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: B-AREAOST

Item 43.11:

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

Emission Unit: B-00003

Emission Point: B0007
Height (ft.): 23 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0044
Height (ft.): 2 Diameter (in.): 4
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREAIST

Emission Point: B0046
Height (ft.): 1 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0047
Height (ft.): 1 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0048
Height (ft.): 4 Diameter (in.): 4
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0050
Height (ft.): 20 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0051
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0052
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0057
Height (ft.): 6 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: PRETREAT

Emission Point: B0064
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Point: B0068
Height (ft.): 1 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREACL2

Emission Point: B0076
Height (ft.): 23 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0079
Height (ft.): 30 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 43.12:

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

Emission Unit: B-00004

Emission Point: B0002
Height (ft.): 31 Diameter (in.): 12
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0053
Height (ft.): 30 Diameter (in.): 14
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0055
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0060
Height (ft.): 18 Diameter (in.): 10
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 43.13:

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

Emission Unit: B-00005

Emission Point: B0027
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0043
Height (ft.): 25 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0054



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR2

Emission Point: B0061
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0063
Height (ft.): 34 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 s20Building: B-AREA

Emission Point: B0067
Height (ft.): 35 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0075
Height (ft.): 23 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0077
Height (ft.): 23 Diameter (in.): 4
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0085
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 43.14:

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

Emission Unit: B-00006

Emission Point: B0017
Height (ft.): 60 Diameter (in.): 2
NYTMN (km.): 4781.121 NYTME (km.): 283.129 Building: B-AREA

Item 43.15:

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

Emission Unit: B-00007

Emission Point: B0066
Height (ft.): 30 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 43.16:

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



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: B-00008

Emission Point: B0005

Height (ft.): 50

Diameter (in.): 3

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 43.17:

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

Emission Unit: C-00001

Emission Point: C0001

Height (ft.): 20

Diameter (in.): 6

NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: C-AREA

Item 43.18:

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

Emission Unit: C-00002

Emission Point: C0003

Height (ft.): 26

Diameter (in.): 13

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Item 43.19:

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

Emission Unit: C-00003

Emission Point: C0007

Height (ft.): 2

Diameter (in.): 4

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Item 43.20:

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

Emission Unit: C-00004

Emission Point: C0011

Height (ft.): 25

Diameter (in.): 2

NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Item 43.21:

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

Emission Unit: C-00005

Emission Point: C0002



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Height (ft.): 8 Diameter (in.): 1
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Emission Point: C0015
Height (ft.): 25 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Item 43.22:

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

Emission Unit: C-00006

Emission Point: C0023
Height (ft.): 5 Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Emission Point: C0024
Height (ft.): 30 Diameter (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: C-AREA

Item 43.23:

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

Emission Unit: D-00001

Emission Point: D0002
Height (ft.): 70 Diameter (in.): 10
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Item 43.24:

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

Emission Unit: D-00002

Emission Point: D0003
Height (ft.): 46 Length (in.): 16 Width (in.): 21
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Emission Point: D0017
Height (ft.): 18 Length (in.): 5 Width (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Item 43.25:

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

Emission Unit: D-00003

Emission Point: D0009



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Height (ft.): 48 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Item 43.26:

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

Emission Unit: D-00004

Emission Point: D0010

Height (ft.): 23 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Emission Point: D0011

Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Item 43.27:

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

Emission Unit: D-00005

Emission Point: D0015

Height (ft.): 1 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Emission Point: D0016

Height (ft.): 16 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Item 43.28:

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

Emission Unit: D-00006

Emission Point: D0018

Height (ft.): 23 Length (in.): 24 Width (in.): 18
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Emission Point: D0019

Height (ft.): 23 Diameter (in.): 8
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: D-AREA

Emission Point: D0021

Height (ft.): 14 Diameter (in.): 8
NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: D-AREA

**Condition 44: Process Definition By Emission Unit
Effective between the dates of 10/26/2001 and 10/26/2006**

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Applicable Federal Requirement: 6NYCRR 201-6.

Item 44.1:

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

Emission Unit: A-00001

Process: A10

Source Classification Code: 3-01-800-01

Process Description:

VENTILATION SYSTEMS (EMISSION POINTS A0120 AND A0121) FOR A-AREA REACTORS, MANWAYS, AND FILTER PRESSES UTILIZING SPOT VENTILATION, ELEPHANT TRUNKS, AND HOODS. THE VENTILATION SYSTEMS ARE FOR VOC, PARTICULATES, AND MISCELLANEOUS INORGANICS. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: A1001 - Process

Design Capacity: 3,600 cubic feet per minute

Emission Source/Control: A1002 - Process

Design Capacity: 3,600 cubic feet per minute

Item 44.2:

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

Emission Unit: A-00001

Process: A11

Source Classification Code: 3-01-800-01

Process Description:

VENTILATION SYSTEMS (EMISSION POINTS A0093, A0122, A0123, AND A0124). PARTICULATE CONTROLS ARE PROVIDED FOR EMISSION POINTS A0122 (EMISSION CONTROL A1103), A0123 (EMISSION CONTROL A1105), AND A0124 (EMISSION CONTROL A1107) FOR A-AREA REACTORS, MANWAYS, AND FILTER PRESSES UTILIZING SPOT VENTILATION, ELEPHANT TRUNKS, AND HOODS. THE VENTILATION SYSTEMS ARE FOR VOC, PARTICULATES, MISCELLANEOUS ACIDS (NITRIC, HYDROCHLORIC, ETC.) FUGITIVE EMISSIONS ONLY.

Emission Source/Control: A1103 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: A1105 - Control

Control Type: SINGLE CYCLONE



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Source/Control: A1101 - Process
Design Capacity: 6,000 cubic feet per minute

Emission Source/Control: A1102 - Process
Design Capacity: 3,600 cubic feet per minute

Emission Source/Control: A1104 - Process
Design Capacity: 820 cubic feet per minute

Emission Source/Control: A1106 - Process
Design Capacity: 1,000 cubic feet per minute

Item 44.3:

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

Emission Unit: A-00001

Process: A12

Source Classification Code: 3-01-800-01

Process Description:

EMERGENCY VENTILATION SYSTEM (EMISSION POINT A0014) FOR THE A-AREA PCMM WEIGH SHED. THIS VENTILATION SYSTEM IS ONLY USED TO EVACUATE THE PCMM WEIGH SHED IN THE EVENT OF V-A-25 RELEASING PCMM.

Emission Source/Control: A1201 - Process
Design Capacity: 1,225 cubic feet per minute

Item 44.4:

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

Emission Unit: A-00002

Process: A20

Source Classification Code: 3-01-800-01

Process Description:

ROOM AND SPOT VENTILATION SYSTEMS FOR SOLIDS DRUMMING SYSTEMS IN A-AREA. THE VENTILATION SYSTEMS ARE FOR VOCs AND PARTICULATES. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: A2002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: A2001 - Process
Design Capacity: 8,600 cubic feet per minute

Item 44.5:

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

Emission Unit: A-00002

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Process: A21

Source Classification Code: 3-01-800-01

Process Description:

A-AREA SOLIDS DRYING SYSTEMS (EMISSION POINTS A0077, A0078, AND A0118). EMISSION CONTROLS ARE PROVIDED FOR EMISSION POINTS A0077 (EMISSION CONTROLS A2102 AND A2103), A0078 (EMISSION CONTROLS A2105, A2106, AND A2107), AND A0118 (EMISSION CONTROL A2111) WHICH UTILIZE ROTARY VACUUM DRYERS AND ASSOCIATED DRUM OUT STATIONS.

Emission Source/Control: A2102 - Control

Control Type: FABRIC FILTER

Emission Source/Control: A2103 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: A2105 - Control

Control Type: FABRIC FILTER

Emission Source/Control: A2106 - Control

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

Emission Source/Control: A2107 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: A2111 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: A2101 - Process

Emission Source/Control: A2104 - Process

Emission Source/Control: A2108 - Process

Emission Source/Control: A2109 - Process

Emission Source/Control: A2110 - Process

Item 44.6:

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

Emission Unit: A-00003

Process: A30

Source Classification Code: 3-01-830-01

Process Description:

A-AREA ORGANIC STORAGE TANKS THAT ARE LESS THAN 10,000 GAL IN CAPACITY AND UTILIZE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



CONSERVATION VENTS AS CONTROL EQUIPMENT AS REQUIRED UNDER 6 NYCRR PART 229. EMISSION POINTS ASSOCIATED WITH THESE STORAGE TANKS INCLUDE A0039 (EMISSION SOURCE A3001), A0053 (EMISSION SOURCE A3003), A0056 (EMISSION SOURCE A3005), A0061 (EMISSION SOURCE A3007), A0062 (EMISSION SOURCE A3009), A0071 (EMISSION SOURCE A3011), A0072 (EMISSION SOURCE A3013), A0112 (EMISSION SOURCE A3015), A0113 (EMISSION SOURCE A3017), A0125 (EMISSION SOURCE A3019).

Emission Source/Control: A3002 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3004 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3006 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3008 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3010 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3012 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3014 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3016 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3018 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3020 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A3001 - Process
Design Capacity: 5,000 gallons

Emission Source/Control: A3003 - Process
Design Capacity: 9,600 gallons

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: A3005 - Process
Design Capacity: 8,600 gallons

Emission Source/Control: A3007 - Process
Design Capacity: 1,000 gallons

Emission Source/Control: A3009 - Process
Design Capacity: 1,000 gallons

Emission Source/Control: A3011 - Process
Design Capacity: 2,000 gallons

Emission Source/Control: A3013 - Process
Design Capacity: 5,000 gallons

Emission Source/Control: A3015 - Process
Design Capacity: 4,000 gallons

Emission Source/Control: A3017 - Process
Design Capacity: 6,000 gallons

Emission Source/Control: A3019 - Process
Design Capacity: 1,150 gallons

Item 44.7:

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

Emission Unit: A-00003

Process: A31

Source Classification Code: 3-01-830-01

Process Description:

A-AREA ORGANIC STORAGE TANKS THAT ARE
GREATER THAN 10,000 GALS BUT LESS THAN
20,000 GALS IN CAPACITY AND UTILIZE
SUBMERGED WELL LINES AS CONTROL EQUIPMENT
AS REQUIRED UNDER 6 NYCRR PART 229.
EMISSION POINTS ASSOCIATED WITH THESE
STORAGE TANKS INCLUDE A0027 (EMISSION
SOURCE A3101), A0038 (EMISSION SOURCE
A3103), AND A0059 (EMISSION SOURCE A3105).

Emission Source/Control: A3102 - Control
Control Type: SUBMERGED FILL LINE

Emission Source/Control: A3104 - Control
Control Type: SUBMERGED FILL LINE

Emission Source/Control: A3106 - Control

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Control Type: SUBMERGED FILL LINE

Emission Source/Control: A3101 - Process
Design Capacity: 15,000 gallons

Emission Source/Control: A3103 - Process
Design Capacity: 12,000 gallons

Emission Source/Control: A3105 - Process
Design Capacity: 15,000 gallons

Item 44.8:

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

Emission Unit: A-00003

Process: A32

Source Classification Code: 3-01-830-01

Process Description:

A-AREA ORGANIC STORAGE TANKS USING VENT
CONDENSERS AS ALTERNATIVE CONTROLS AS
REGULATED UNDER 6 NYCRR PART 229. EMISSION
POINT ASSOCIATED WITH THESE STORAGE TANKS
IS A0041 (EMISION SOURCES A3201, A3202,
AND A3203).

Emission Source/Control: A3204 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A3201 - Process
Design Capacity: 15,000 gallons

Emission Source/Control: A3202 - Process
Design Capacity: 5,000 gallons

Emission Source/Control: A3203 - Process
Design Capacity: 5,000 gallons

Item 44.9:

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

Emission Unit: A-00003

Process: A33

Source Classification Code: 3-01-830-01

Process Description:

A-AREA ORGANIC STORAGE TANKS USING CAUSTIC
SCRUBBER AS ALTERNATIVE CONTROL AS
REGULATED UNDER 6 NYCRR PART 229 WILL
ACHIEVE SAME DEGREE OF EMISSIONS CONTROL AS
CONSERVATION VENTS OR SUBMERGED FILL LINES.
EMISSION POINT ASSOCIATED WITH THESE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



STORAGE TANKS IS A0002.

Emission Source/Control: A3304 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A3301 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: A3302 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: A3303 - Process
Design Capacity: 250 gallons

Item 44.10:

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

Emission Unit: A-00003

Process: A34

Source Classification Code: 3-01-830-01

Process Description:

A-AREA ORGANIC STORAGE TANKS USING
ACTIVATED CARBON AS ALTERNATIVE CONTROLS
WILL ACHIEVE SAME DEGREE OF EMISSION
CONTROL AS IF TANKS WERE EQUIPPED WITH
CONSERVATION VENTS OR SUBMERGED FILL LINES
AS REGULATED UNDER 6 NYCRR PART 229.
EMISSION POINT ASSOCIATED WITH SUCH A
STORAGE TANK IS EP0052 (EMISSION SOURCE
A3401).

Emission Source/Control: A3402 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: A3401 - Process
Design Capacity: 15,000 gallons

Item 44.11:

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

Emission Unit: A-00004

Process: A40

Source Classification Code: 3-01-870-98

Process Description:

A-AREA STORAGE TANKS FOR CAUSTIC (SODIUM
HYDROXIDE): EMISSIONS FROM SODIUM
HYDROXIDE STORAGE TANKS ARE INSIGNIFICANT
SINCE SODIUM HYDROXIDE DOES NOT EXERT ANY
SIGNIFICANT VAPOR PRESSURE. EMISSION
POINTS ASSOCIATED WITH THESE STORAGE TANKS



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

INCLUDE A0068 (EMISSION SOURCE A4001),
A0069 (EMISSION SOURCE A4002), AND A0070
(EMISSION SOURCE A4003).

Emission Source/Control: A4001 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: A4002 - Process
Design Capacity: 15,000 gallons

Emission Source/Control: A4003 - Process
Design Capacity: 15,000 gallons

Item 44.12:

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

Emission Unit: A-00004

Process: A41

Source Classification Code: 3-01-875-18

Process Description:

A-AREA STORAGE TANKS FOR AMMONIA:
EMISSIONS FROM AQUA AMMONIA STORAGE TANK
ARE INSIGNIFICANT SINCE AMMONIA DOES NOT
EXERT ANY SIGNIFICANT VAPOR PRESSURE.
EMISSION POINT ASSOCIATED WITH AMMONIA
STORAGE TANK IS A0029 (EMISSION SOURCE
A4101).

Emission Source/Control: A4101 - Process
Design Capacity: 10,000 gallons

Item 44.13:

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

Emission Unit: A-00004

Process: A42

Source Classification Code: 3-01-870-98

Process Description:

A-AREA STORAGE TANKS FOR HYDROGEN
PEROXIDE: EMISSIONS FROM HYDROGEN PEROXIDE
STORAGE TANKS ARE INSIGNIFICANT SINCE
HYDROGEN PEROXIDE DOES NOT EXERT ANY
SIGNIFICANT VAPOR PRESSURE. EMISSION
POINTS ASSOCIATED WITH THESE STORAGE TANKS
INCLUDE A0089 (EMISSION SOURCE A4201) AND
A0091 (EMISSION SOURCE A4202).

Emission Source/Control: A4201 - Process
Design Capacity: 10,000 gallons

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: A4202 - Process

Design Capacity: 150 gallons

Item 44.14:

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

Emission Unit: A-00004

Process: A43

Source Classification Code: 3-01-870-98

Process Description:

A-AREA STORAGE TANKS FOR ACETIC ACID:
EMISSIONS FROM ACETIC ACID STORAGE TANKS
ARE INSIGNIFICANT DUE TO LOW VAPOR PRESSURE
AND QUANTITY OF ACETIC ACID TRANSFERRED
THROUGH STORAGE TANKS. EMISSION POINT
ASSOCIATED WITH ACETIC ACID STORAGE TANK IS
A0114 (EMISSION SOURCE A4301).

Emission Source/Control: A4302 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: A4301 - Process

Design Capacity: 10,000 gallons

Item 44.15:

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

Emission Unit: A-00004

Process: A44

Source Classification Code: 3-01-870-34

Process Description:

A-AREA STORAGE TANKS FOR HYDROGEN
CHLORIDE. EMISSION POINT ASSOCIATED WITH
HYDROGEN CHLORIDE TANK IS A0110 (EMISSION
SOURCE A4401).

Emission Source/Control: A4402 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: A4401 - Process

Design Capacity: 10,000 gallons

Item 44.16:

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

Emission Unit: A-00004

Process: A45

Source Classification Code: 3-01-870-98

Process Description:

A-AREA STORAGE TANKS FOR ZINC WASTE
WATERS: EMISSIONS FROM ZINC WASTE WATER

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



STORAGE TANKS ARE INSIGNIFICANT SINCE ZINC COMPOUNDS DO NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINT ASSOCIATED WITH ZINC WASTE WATER STORAGE TANK IS A0104 (EMISSION SOURCE A4501).

Emission Source/Control: A4501 - Process
Design Capacity: 7,000 gallons

Item 44.17:

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

Emission Unit: A-00005

Process: A50

Source Classification Code: 3-01-999-99

Process Description:

AMMONIA RECOVERY SYSTEM: BULK AMMONIA IS TRANSFERRED TO A WEIGH TANK. RECYCLE AMMONIA (NOTE: CONTAINS APPROXIMATELY 30 PERCENT BY WEIGHT CHLOROFORM OR OTHER SOLVENT UTILIZED IN 2422 PRODUCTION) AND THE FRESH BULK AMMONIA ARE CHARGED TO REACTOR R-A-01 (EMISSION SOURCE A5001). TRICHLOROACETONITRILE (TCAN) IS ALSO CHARGED TO R-A-01 WHERE THE AMMONIA REACTS WITH THE TCAN TO FORM TRICHLOROACETAMIDE. DURING THESE TRANSFER PROCESSES THE RECEIVING VESSELS ARE VENTED TO A WATER SCRUBBER SYSTEM (EMISSION CONTROLS A5009 AND A5010). CHLOROFORM (OR OTHER SOLVENTS) UTILIZED IN 2422 PRODUCTION) IS CHARGED TO THE AMMONIA STRIPPER SYSTEM, R-A-09 (EMISSION SOURCE A5002). A SLURRY OF TRICHLORACETAMIDE FROM R-A-01 IS ALSO TRANSFERRED TO R-A-09. ADDITIONAL CHLOROFORM (OR OTHER SOLVENT) IS TRANSFERRED TO R-A-01 AND THEN TO R-A-09. AMMONIA IS REMOVED FROM THE CONTENTS OF R-A-09 BY ATMOSPHERIC FOLLOWED BY VACUUM STRIPPING. VAPORS EXITING R-A-09 ARE VENTED THROUGH A CHILLED BRINE CONDENSER (EMISSION CONTROL A5003) PRIOR TO VENTING TO THE WATER SCRUBBER SYSTEM.

Emission Source/Control: A5003 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A5005 - Control
Control Type: REFRIGERATED CONDENSER

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: A5009 - Control
Control Type: WET SCRUBBER

Emission Source/Control: A5010 - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: A5001 - Process

Emission Source/Control: A5002 - Process

Emission Source/Control: A5004 - Process

Emission Source/Control: A5006 - Process

Emission Source/Control: A5007 - Process

Emission Source/Control: A5008 - Process

Item 44.18:

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

Emission Unit: A-00005

Process: A51

Source Classification Code: 3-01-999-99

Process Description:

PRODUCTION OF CATALYST FV-100P UTILIZING THE CAUSTIC SCRUBBER SYSTEM V-PH-04 (EMISSION CONTROL A5103):

- 1) ISOBUTANOL (PROCESS SOLVENT) IS CHARGED TO R-A-07 (EMISSION SOURCE A5101). WEIGHED AMOUNTS OF 105% AND 85% PHOSPHORIC ACID ARE NEXT CHARGED UNDER VACUUM TO R-A-07. VACUUM IS BROKEN AND VANDIUM PENTOXIDE IS CHARGED TO R-A-07. THE REACTOR IS THEN HEATED DURING THE PROCESS REACTION STRIP STEPS.
- 2) DURING REFLUX, CONDENSER (EMISSION CONTROL A5102) CONDENSATE (PRIMARILY ISOBUTANOL) IS REMOVED AND IS TRANSFERRED INTO V-A-39 (OR OTHER APPROPRIATE STORAGE TANK). UPON REACTION COMPLETION, REFLUXING IS STOPPED AND THE REACTOR'S CONTENTS ARE COOLED. THE REACTOR IS VENTED TO CAUSTIC SCRUBBER V-PH-04 (OR EQUIVALENT) DURING THOSE PROCESS STEPS WHICH MAY EMIT ACIDIC CONTAMINANTS. EMISSION POINT ASSOCIATED WITH CAUSTIC SCRUBBER V-PH-04 IS A0007.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: A5102 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A5103 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A5101 - Process

Item 44.19:

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

Emission Unit: A-00005

Process: A52

Source Classification Code: 3-01-999-99

Process Description:

1. PRODUCTION OF EXPANDEX 5 PT UTILIZING THE CAUSTIC SCRUBBER SYSTEM V-PH-60 (EMISSION CONTROL A5202): DIMETHYLFORMAMIDE IS CHARGED TO R-A-02 (EMISSION SOURCE 5201). THE REACTOR IS THEN CHARGED WITH SODIUM AZIDE AND AMMONIUM CHLORIDE. IT IS NEXT CHARGED WITH BENZONITRILE. WATER IS THEN ADDED TO THE REACTOR. RESIDUAL DIMETHYLFORMAMIDE, WHICH IS THE ONLY VOLATILE MATERIAL PRESENT IN THE REACTOR, IS SOLUBLE IN THE WATER. THE BATCH IS COMPLETED WITH THE ADDITION OF 32% HYDROCHLORIC ACID. REACTOR R-A-02 IS VENTED TO V-PH-60 (OR AN EQUIVALENT CAUSTIC SCRUBBER) DURING THE ENTIRE PRODUCTION PROCESS.

2. PRODUCTION OF MONOETHANOLAMINE HYDROCHLORIDE: HYDROCHLORIC ACID (32%) IS CHARGED TO R-A-02. THE REACTOR IS THEN CHARGED WITH MONOETHANOLAMINE, WHICH REACTS WITH THE HYDROCHLORIC ACID TO FORM MONOETHANOLAMINE HYDROCHLORIDE. REACTOR R-A-02 IS VENTED TO V-PH-60 (OR EQUIVALENT CAUSTIC SCRUBBER) DURING THE ENTIRE PRODUCTION PROCESS.

3. TUNGSTIC ACID RECOVERY: A SLURRY OF CALCIUM CARBONATE SLUDGE (CONTAINS CALCIUM TUNGSTATE) AND WATER IS PREPARED IN R-A-03. BOTH HYDROCHLORIC ACID (32%) AND NITRIC ACID (70%) ARE ADDED TO R-A-02. THE SLURRY CONTAINING THE CALCIUM TUNGSTATE IS THEN

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



TRANSFERRED INTO R-A-02. THE CALCIUM TUNGSTATE REACTS WITH THE ACID MIXTURE AND IS CONVERTED TO TUNGSTIC ACID. UPON COMPLETION OF THE CONVERSION TO TUNGSTIC ACID, THE MIXTURE IS EITHER TRANSFERRED TO V-A-34/35 (OR EQUIVALENT) AND HELD FOR FILTERING OR FED DIRECTLY FROM R-A-02 TO A FILTER PRESS. R-A-02 IS VENTED TO V-PH-60 (OR AN EQUIVALENT CAUSTIC SCRUBBER) DURING THE ENTIRE PRODUCTION PROCESS. EMISSION POINT ASSOCIATED WITH CAUSTIC SCRUBBER V-PH-60 IS A0094.

Emission Source/Control: A5202 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A5201 - Process

Item 44.20:

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

Emission Unit: A-00005
Process: A53 Source Classification Code: 3-01-999-99

Process Description:
PRODUCTION IN R-A-11 (EMISSION SOURCE A5301) AND R-A-17 (EMISSION SOURCE A5302) OF EXPANDEX 5PT, IPBC, AND OMACIDE IPBC BLENDS 20, 30, AND 40 UTILIZING THE CAUSTIC SCRUBBER SYSTEM V-A-16A (EMISSION CONTROL A5303). EMISSION POINT ASSOCIATED WITH CAUSTIC SCRUBBER V-A-16A IS A0099.

Emission Source/Control: A5303 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A5301 - Process

Emission Source/Control: A5302 - Process

Item 44.21:

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

Emission Unit: A-00005
Process: A54 Source Classification Code: 3-01-999-99

Process Description:
PRODUCTION OF CHEMICAL 2422: A MIXTURE OF TRICHLOROACETAMIDE AND CHLOROFORM IS

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



TRANSFERRED INTO REACTOR R-A-08 (EMISSION SOURCE A5404). BOTH 20% SODIUM HYDROXIDE AND ADDITIONAL CHLOROFORM ARE TRANSFERRED INTO THE RING CLOSURE REACTOR R-A-08. PERCHLOROMETHYLMERCAPTAN IS ADDED TO R-A-08 AT A CONTROLLED RATE TO PRODUCE CRUDE CHEMICAL 2422. THE CONTENTS OF R-A-08 ARE TRANSFERRED INTO REACTOR R-A-05 (EMISSION SOURCE A5403) FOR PHASE SEPARATION AND WASHING. A CAUSTIC SOLUTION IS ALSO TRANSFERRED INTO R-A-05. THE ORGANIC LAYER FROM R-A-05 IS TRANSFERRED INTO R-A-04 (EMISSION SOURCE A5401) WHERE CHLOROFORM IS REMOVED FROM THE CONTENTS OF R-A-04 BY ATMOSPHERIC FOLLOWED BY VACUUM DISTILLATION. THE PROCESS VESSELS ARE VENTED TO V-PH-61 (EMISSION CONTROL A5405) OR AN EQUIVALENT CAUSTIC SCRUBBER. EMISSION POINT ASSOCIATED WITH CAUSTIC SCRUBBER V-PH-61 IS A0119.

Emission Source/Control: A5402 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A5405 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A5401 - Process

Emission Source/Control: A5403 - Process

Emission Source/Control: A5404 - Process

Item 44.22:

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

Emission Unit: A-00006

Process: A60

Source Classification Code: 3-01-840-01

Process Description:

METHANOL IS DISTILLED FOR RECOVERY USING R-A-16 (EMISSION POINT A0036 AND EMISSION SOURCE A6001) AND R-A-10 (EMISSION POINT A0064 AND EMISSION SOURCE A6004): METHANOL RECOVERY SYSTEM IS UTILIZED TO RECLAIM METHANOL FROM A WASTESTREAM GENERATED BY THE IPBC PROCESS. FILTER MOTHER LIQUOR, CONTAINING METHANOL, IS CHARGED TO BATCH STILL R-A-16. DURING THE DISTILLATION, THE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



BATCH STILL (EQUIPPED WITH EMISSION CONTROL A6002) IS TOP CHARGED WITH ADDITIONAL WASTE METHANOL. A SLIGHT POSITIVE PRESSURE IS MAINTAINED ON THE STILL USING NITROGEN AND A CONSERVATION VENT (EMISSION CONTROL A6005). RECOVERED METHANOL IS TRANSFERRED INTO RECEIVER TANK R-A-10 (OR EQUIVALENT), WHICH IS EQUIPPED WITH A REFRIGERATED VENT CONDENSER (EMISSION CONTROL A6005). NON-CONDENSED VAPORS ARE VENTED THROUGH A CONSERVATION VENT (EMISSION CONTROL A6006). WHILE THIS SOLVENT RECOVERY SYSTEM WAS SPECIFICALLY DESIGNED FOR RECOVERY OF METHANOL, IT MAY ALSO BE UTILIZED FOR THE RECOVERY OF OTHER SOLVENTS.

Emission Source/Control: A6002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A6003 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A6005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A6006 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A6001 - Process

Emission Source/Control: A6004 - Process

Item 44.23:

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

Emission Unit: A-00006

Process: A61

Source Classification Code: 3-01-999-99

Process Description:

PRODUCTION OF TERRAZOLE: PURIFIED CHEMICAL 2422 AND ETHANOL ARE CHARGED TO REACTOR R-A-15 (EMISSION POINT A0042 AND EMISSION SOURCE A6102). PRIOR TO ETHANOL CHARGING, THE REACTOR IS PURGED WITH NITROGEN. SODIUM HYDROXIDE (50%) IS ADDED TO THE REACTOR AT A CONTROLLED RATE SUCH THAT THE REACTOR'S TEMPERATURE CAN BE MAINTAINED AT THE DESIRED SET POINT. THE CAUSTIC CATALYZES THE LIQUID PHASE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



ETHOXYLATION OF THE 2422 TO CHEMICAL 2424. THE PH OF THE REACTION MIXTURE IS ADJUSTED USING EITHER HCL (32%) OR ADDITIONAL CAUSTIC. TEMPERED WATER IS UTILIZED TO EXTRACT INORGANIC SALTS FROM THE ORGANICS. STEAM DISTILLED TERRAZOLE FROM THE EMULSION RECOVERY SYSTEM IS CHARGED INTO THE REACTOR, WITH THE AMOUNT CHARGED BASED ON REACTOR SPACE AVAILABILITY. ADDITIONAL ACIDITY ADJUSTMENTS ARE MADE IF NECESSARY. AGITATION IS STOPPED AND THE REACTION MIXTURE IS ALLOWED TO SETTLE INTO THREE DISTINCT PHASES: (AN ORGANICS) PRODUCT LAYER, AN EMULSION LAYER, AND AN AQUEOUS LAYER. THE ORGANIC LAYER IS TESTED FOR ACIDITY AND CAUSTIC ADDED AS REQUIRED. THE REACTOR IS AGITATED AND THEN ALLOWED TO SETTLE. THE PH ADJUSTMENT PROCESS IS REPEATED UNTIL THE ACIDITY SPECIFICATION IS SATISFIED. THE THREE LAYERS ARE DECANTED AS FOLLOWS: (1) ORGANIC LAYER IS TRANSFERRED TO REACTOR R-A-06 FOR PURIFICATION. (2) EMULSION LAYER IS DRUMMED AND STORED FOR USE AS FEED TO THE EMULSION RECOVERY PROCESS. (3) AQUEOUS LAYER IS TRANSFERRED TO STORAGE FOR FEED TO ETHANOL RECOVERY PROCESS.

Emission Source/Control: A6103 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A6101 - Process

Emission Source/Control: A6102 - Process

Item 44.24:

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

Emission Unit: A-00006

Process: A62

Source Classification Code: 3-01-999-99

Process Description:

OXIDATION OF WASTE SOLUTION TO SULFATES IN REACTOR R-A-20 (EMISSION POINT A0098 AND EMISSION SOURCE A6201): WASTE SCRUBBER SOLUTIONS, WHICH CONTAIN SODIUM SULFIDE, ARE AERATED. A PORTION OF THE OXYGEN IN THE GENERATION AIR REACTS WITH Na₂S AND THE REMAINDER IS EXHAUSTED TO THE ATMOSPHERE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



THROUGH A REFRIGERATED VENT CONDENSER (EMISSION CONTROL A6202). A HIGH PERCENTAGE OF THE Na₂S IS OXIDIZED TO SULFATE SALTS. A SMALL PERCENTAGE OF THE Na₂S MAY DECOMPOSE TO FORM HYDROGEN SULFIDE. THIS HYDROGEN SULFIDE REACTS WITH RESIDUAL SODIUM HYDROXIDE IN THE SCRUBBER SOLUTION.

Emission Source/Control: A6202 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A6201 - Process

Item 44.25:

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

Emission Unit: A-00006
Process: A63
Source Classification Code: 3-01-999-99
Process Description:
PRODUCTION OF OMACIDE BLENDS IPBC 20, IPBC 30, AND IPBC 40 IN REACTOR R-A-18 (EMISSION POINT A0111 AND EMISSION SOURCE A6301).

Emission Source/Control: A6301 - Process

Item 44.26:

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

Emission Unit: A-00006
Process: A64
Source Classification Code: 3-01-999-99
Process Description:
PRODUCTION OF CALCIUM TUNGSTATE SLURRY IN REACTOR R-A-03 (EMISSION POINT A0117 AND EMISSION SOURCE A6401). A SLURRY OF CALCIUM CARBONATE SLUDGE (CONTAINS CALCIUM TUNGSTATE) AND WATER IS PREPARED IN THIS REACTOR.

Emission Source/Control: A6401 - Process

Item 44.27:

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

Emission Unit: A-00006
Process: A65
Source Classification Code: 3-01-999-99
Process Description:
VACUUM PUMP SYSTEM (EMISSION POINT A0097)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



FOR VARIOUS REACTORS IN A-AREA, INCLUDING, BUT NOT LIMITED TO, R-A-06 (EMISSION SOURCE A6501), R-A-07 (EMISSION SOURCE A6502), R-A-04 (EMISSION SOURCE A6503), R-A-15 (EMISSION SOURCE A6504), AND R-A-02 (EMISSION SOURCE A6505). THIS VACUUM PUMP SYSTEM IS UTILIZED IN THE PRODUCTION OF TERRAZOLE, FV-100P, CHEMICAL 2422, EXPANDEX 5 PT, MEA-HCl, TUNGSTIC ACID, ETC.

Emission Source/Control: A6501 - Process

Emission Source/Control: A6502 - Process

Emission Source/Control: A6503 - Process

Emission Source/Control: A6504 - Process

Emission Source/Control: A6505 - Process

Item 44.28:

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

Emission Unit: A-00007

Process: A70

Source Classification Code: 3-01-999-99

Process Description:

LAROX FILTER SYSTEM: THE LAROX FILTER SYSTEM IS UTILIZED TO SEPARATE IPBC FROM A SLURRY OF IPBC AND METHANOL. FILTRATE (MIXTURE OF METHANOL AND WATER) IS TRANSFERRED INTO TWO FILTRATE RECEIVER TANKS. IN THE FUTURE, THIS FILTER SYSTEM MAY BE UTILIZED FOR THE FILTRATION OF OTHER MATERIALS. VENTILATION AIR (EMISSION POINT A0022) IS UTILIZED TO CONTROL EMISSIONS IN THE VICINITY OF THE FILTER (EMISSION SOURCE A7001), DRUM PACK OUT STATION (EMISSION SOURCE A7002), AND FILTER RECEIVER TANKS (EMISSION SOURCES A7003 AND A7004).

Emission Source/Control: A7005 - Control

Control Type: FABRIC FILTER

Emission Source/Control: A7001 - Process

Emission Source/Control: A7002 - Process

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: A7003 - Process

Emission Source/Control: A7004 - Process

Item 44.29:

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

Emission Unit: A-00008

Process: A80

Source Classification Code: 3-01-840-01

Process Description:

ETHANOL STRIPPING FOR THE PRODUCTION OF TERRAZOLE USING R-A-06 (EMISSION POINT A0043 AND EMISSION SOURCE A8002). ETHANOL IS VACUUM STRIPPED FROM CRUDE TERRAZOLE, WHICH IS PRIMARILY A MIXTURE OF TERRAZOLE AND ETHANOL (NOTE: CONTAINS A SMALL AMOUNT OF CHEMICAL 2422).

Emission Source/Control: A8001 - Process

Emission Source/Control: A8002 - Process

Item 44.30:

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

Emission Unit: A-00008

Process: A81

Source Classification Code: 3-01-840-01

Process Description:

RECOVERY OF ISOBUTANOL USING R-A-14. REACTOR R-A-14 (EMISSION SOURCE A8101) IS UTILIZED TO RECOVER ISOBUTANOL FROM A MIXTURE, WHICH IS PRIMARILY ISOBUTANOL AND WATER. THIS MIXTURE IS GENERATED DURING THE PRODUCTION OF SOHIO CATALYST. IN THE FUTURE THIS SYSTEM MAY BE UTILIZED FOR THE RECOVERY OF OTHER COMPOUNDS.

Emission Source/Control: A8102 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: A8101 - Process

Item 44.31:

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

Emission Unit: B-00001

Process: B10

Source Classification Code: 3-01-800-01

Process Description:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



EXHAUST VENTILATION SYSTEMS (EMISSION POINTS B0003, B0040, AND B0058) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN B-AREA WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEMS ARE FOR VOCS AND MISCELLANEOUS INORGANICS. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1001 - Process

Emission Source/Control: B1002 - Process

Emission Source/Control: B1003 - Process

Item 44.32:

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

Emission Unit: B-00001

Process: B11

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEMS (EMISSION POINTS B0004 AND B0081) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN B-AREA WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THIS EXHAUST VENTILATION SYSTEM IS FOR VENTING PARTICULATE EMISSIONS. PARTICULATE CONTROLS ARE PROVIDED FOR EMISSION POINT B0081 (EMISSION CONTROL B1103).

Emission Source/Control: B1103 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: B1101 - Process

Emission Source/Control: B1102 - Process

Item 44.33:

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

Emission Unit: B-00001

Process: B12

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT B0080) FOR DRUMOUT STATIONS IN B-AREA WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEM IS FOR

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



VOCS, PARTICULATES, AND MISCELLANEOUS
INORGANICS. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1201 - Process

Item 44.34:

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

Emission Unit: B-00001

Process: B13

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT B0070) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN THE PILOT PLANT DISTILLATION BUILDING AND 2,6-DCP PACKOUT BUILDING WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEM IS FOR VOCS AND MISCELLANEOUS INORGANICS. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1301 - Process

Item 44.35:

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

Emission Unit: B-00001

Process: B14

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT B0082) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN TRAIN II WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEM IS FOR VOCS, MISCELLANEOUS INORGANICS, AND PARTICULATES. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1401 - Process

Item 44.36:

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

Emission Unit: B-00001

Process: B15

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT B0084) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN USSC

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



PROCESS WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEM IS FOR VOCS AND PARTICULATES. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1501 - Process

Item 44.37:

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

Emission Unit: B-00001

Process: B16

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT B0008) FOR REACTOR MANWAYS AND OTHER MISCELLANEOUS EMISSION SOURCES IN THE OXIDATION BUILDNG WHICH UTILIZE ELEPHANT TRUNKS AND SPOT VENTILATION. THE VENTILATION SYSTEM IS FOR VOCS, MISCELLANEOUS INORGANICS, AND PARTICULATES. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1601 - Process

Item 44.38:

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

Emission Unit: B-00002

Process: B20

Source Classification Code: 3-01-830-01

Process Description:

B-AREA ORGANIC STORAGE TANKS THAT ARE LESS THAN 10,000 GAL IN CAPACITY AND UTILIZE CONSERVATION VENTS AS CONTROL EQUIPMENT AS REQUIRED UNDER 6 NYCRR PART 229. EMISSION POINT ASSOCIATED WITH THESE STORAGE TANKS IS B0065 (EMISSION SOURCE B2001).

Emission Source/Control: B2002 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: B2001 - Process

Design Capacity: 1,000 gallons

Item 44.39:

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

Emission Unit: B-00002

Process: B22

Source Classification Code: 3-01-830-01



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Process Description:

B-AREA ORGANIC STORAGE TANKS USING VENT CONDENSERS AS ALTERNATIVE CONTROLS AS REGULATED UNDER 6 NYCRR PART 229. EMISSION POINT ASSOCIATED WITH THESE STORAGE TANKS IS B0010 (EMISSION SOURCES B2201 AND B2202).

Emission Source/Control: B2203 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B2204 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: B2201 - Process
Design Capacity: 3,000 gallons

1 Emission Source/Control: B2202 - Process
Design Capacity: 3,000 gallons

Item 44.40:

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

Emission Unit: B-00002

Process: B24

Source Classification Code: 3-01-830-01

Process Description:

B-AREA ORGANIC STORAGE TANKS USING ACTIVATED CARBON AS ALTERNATIVE CONTROLS AS REGULATED UNDER 6 NYCRR PART 229. EMISSION POINTS ASSOCIATED WITH THESE STORAGE TANKS ARE B0021 (EMISSION SOURCE B2401) AND B0071 (EMISSION SOURCE B2403).

Emission Source/Control: B2402 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: B2404 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: B2401 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: B2403 - Process
Design Capacity: 5,000 gallons

Item 44.41:

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: B-00003

Process: B30

Source Classification Code: 3-01-870-98

Process Description:

B-AREA STORAGE TANKS FOR CAUSTIC (SODIUM HYDROXIDE): EMISSIONS FROM SODIUM HYDROXIDE STORAGE TANKS ARE INSIGNIFICANT SINCE SODIUM HYDROXIDE DOES NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINTS ASSOCIATED WITH THESE STORAGE TANKS ARE B0057 (EMISSION SOURCE B3001) AND B0068 (EMISSION SOURCE B3002).

Emission Source/Control: B3001 - Process

Design Capacity: 1,000 gallons

Emission Source/Control: B3002 - Process

Item 44.42:

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

Emission Unit: B-00003

Process: B31

Source Classification Code: 3-01-870-98

Process Description:

B-AREA STORAGE TANKS FOR SODIUM OMADINE (NaPT): EMISSIONS FROM SODIUM OMADINE STORAGE TANKS ARE INSIGNIFICANT SINCE SODIUM OMADINE DOES NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINTS ASSOCIATED WITH STORAGE TANKS ARE B0007 (EMISSION SOURCE B3101) AND B0064 (EMISSION SOURCE B3102).

Emission Source/Control: B3101 - Process

Emission Source/Control: B3102 - Process

Design Capacity: 10,000 gallons

Item 44.43:

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

Emission Unit: B-00003

Process: B32

Source Classification Code: 3-01-870-98

Process Description:

STORAGE TANKS WHICH STORE SODIUM SULFAHYDRATE: EMISSIONS FROM SODIUM SULFAHYDRATE STORAGE TANKS ARE INSIGNIFICANT SINCE SODIUM SULFAHYDRATE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



DOES NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINT ASSOCIATED WITH SUCH STORAGE TANKS IS B0044 (EMISSION SOURCE B3201).

Emission Source/Control: B3201 - Process
Design Capacity: 10,000 gallons

Item 44.44:

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

Emission Unit: B-00003

Process: B33

Source Classification Code: 3-01-870-98

Process Description:

STORAGE TANKS WHICH CONTAIN ZINC CONTAMINATED WASTEWATERS DESIGNATED FOR TREATMENT. EMISSIONS FROM THESE STORAGE TANKS ARE INSIGNIFICANT SINCE ZINC COMPOUNDS DO NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINTS ASSOCIATED WITH STORAGE TANKS ARE B0046 (EMISSION SOURCE B3301), B0047 (EMISSION SOURCE B3302), B0048 (EMISSION SOURCE B3303), AND B0076 (EMISSION SOURCE B3304).

Emission Source/Control: B3301 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: B3302 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: B3303 - Process
Design Capacity: 7,500 gallons

Emission Source/Control: B3304 - Process
Design Capacity: 750 gallons

Item 44.45:

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

Emission Unit: B-00003

Process: B34 0

Source Classification Code: 3-01-870-98

Process Description:

B-AREA STORAGE TANKS WHICH CONTAIN ACETIC ACID. EMISSIONS FROM ACETIC ACID STORAGE TANKS ARE INSIGNIFICANT DUE TO LOW VAPOR PRESSURE AND QUANTITY OF ACETIC ACID TRANSFERRED THROUGH STORAGE TANKS.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



EMISSION POINTS ASSOCIATED WITH THESE STORAGE TANKS ARE B0051 (EMISSION SOURCE B3401) AND B0079 (EMISSION SOURCE B3402).

Emission Source/Control: B3401 - Process
Design Capacity: 350 gallons

Emission Source/Control: B3402 - Process
Design Capacity: 500 gallons

Item 44.46:

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

Emission Unit: B-00003

Process: B35

Source Classification Code: 3-01-870-98

Process Description:

STORAGE TANKS WHICH CONTAIN HYDROGEN PEROXIDE. EMISSIONS FROM HYDROGEN PEROXIDE STORAGE TANKS ARE INSIGNIFICANT SINCE HYDROGEN PEROXIDE DOES NOT EXERT ANY SIGNIFICANT VAPOR PRESSURE. EMISSION POINT ASSOCIATED WITH SUCH STORAGE TANKS IS B0052 (EMISSION SOURCE B3501).

Emission Source/Control: B3501 - Process
Design Capacity: 600 gallons

Item 44.47:

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

Emission Unit: B-00003

Process: B36

Source Classification Code: 3-01-870-98

Process Description:

STORAGE TANKS WHICH CONTAIN MISCELLANEOUS WASTEWATER STREAMS. EMISSIONS FROM MISCELLANEOUS WASTEWATER STORAGE TANKS ARE INSIGNIFICANT SINCE CONCENTRATIONS OF COMPOUNDS WHICH EXERT ANY SIGNIFICANT VAPOR PRESSURE ARE EXTREMELY SMALL. EMISSION POINT ASSOCIATED WITH SUCH STORAGE TANKS IS B0050 (EMISSION SOURCE B3601).

Emission Source/Control: B3601 - Process
Design Capacity: 10,000 gallons

Item 44.48:

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



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: B-00004

Process: B40

Source Classification Code: 3-01-999-99

Process Description:

R-B-03 IS UTILIZED IN THE PRODUCTION OF PLANT STREAM NaPT. THE OFF GAS FROM R-B-03 (EMISSION SOURCE B4001) IS PASSED THROUGH T-B-29 CAUSTIC SCRUBBER COLUMN PRIOR TO VENTING TO THE ATMOSPHERE (EMISSION POINT B0002).

Emission Source/Control: B4002 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4001 - Process

Item 44.49:

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

Emission Unit: B-00004

Process: B41

Source Classification Code: 3-01-999-99

Process Description:

R-B-09 (EMISSION SOURCE B4101) IS UTILIZED FOR THE PRODUCTION OF 2-CHLOROPYRIDINE N-OXIDE. THE OFF GAS FROM R-B-09 AND CONTAINMENT TANK VB-09E (EMISSION SOURCE B4103) IS PASSED THROUGH A VENT CONDENSER AND A CAUSTIC SCRUBBER PRIOR TO VENTING TO THE ATMOSPHERE (EMISSION POINT B0060).

Emission Source/Control: B4102 - Control

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

Emission Source/Control: B4104 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4101 - Process

Emission Source/Control: B4103 - Process

Item 44.50:

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

Emission Unit: B-00004

Process: B42

Source Classification Code: 3-01-999-99

Process Description:

R-B-93 (EMISSION SOURCE B4201) IS UTILIZED IN THE PRODUCTION OF SODIUM OMADINE. THE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



OFF GAS FROM R-B-93 IS PASSED THROUGH TWO CAUSTIC SCRUBBER COLUMNS, T-B-93A AND T-B-93B BEFORE VENTING TO THE ATMOSPHERE (EMISSION POINT B0055).

Emission Source/Control: B4203 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4204 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4201 - Process

Emission Source/Control: B4202 - Process

Item 44.51:

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

Emission Unit: B-00004

Process: B43

Source Classification Code: 3-01-999-99

Process Description:

R-B-91 (EMISSION SOURCE B4301) IS UTILIZED IN THE PRODUCTION OF 2-CHLOROPYRIDINE N-OXIDE. THE OFF GAS FROM R-B-91 IS PASSED THROUGH A VENT CONDENSER AND A CAUSTIC SCRUBBER PRIOR TO VENTING TO THE ATMOSPHERE (EMISSION POINT B0053).

Emission Source/Control: B4302 - Control
Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: B4304 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4301 - Process

Emission Source/Control: B4303 - Process

Item 44.52:

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

Emission Unit: B-00005

Process: B50

Source Classification Code: 3-01-999-99

Process Description:

R-B-14 (EMISSION POINT B0027 AND EMISSION SOURCE B5001) IS UTILIZED FOR PRECIPITATION AND HOLDING OF ZINC OMADINE.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: B5002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B5003 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: B5001 - Process

Item 44.53:

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

Emission Unit: B-00005

Process: B51

Source Classification Code: 3-01-999-99

Process Description:

R-B-07 (EMISSION POINT B0043 AND EMISSION SOURCE B5101) IS UTILIZED FOR THE PRODUCTION OF ZINC OMADINE PRECIPITATE, 40% NaPT, TRIADINE 10, OMDS, AND PURIFIED SODIUM OMADINE.

Emission Source/Control: B5101 - Process

Item 44.54:

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

Emission Unit: B-00005

Process: B52

Source Classification Code: 3-01-840-01

Process Description:

R-B-92 (EMISSION POINT B0054 AND EMISSION SOURCE B5201) AND VB-92B (EMISSION SOURCE B5202) AND R-B-04 (EMISSION POINT B0067 AND EMISSION SOURCE B5204) AND V-B-04E (EMISSION SOURCE B5205) ARE UTILIZED FOR THE STRIPPING OF 2-CHLOROPYRIDINE.

Emission Source/Control: B5203 - Control

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

Emission Source/Control: B5206 - Control

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

Emission Source/Control: B5201 - Process

Emission Source/Control: B5202 - Process



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Source/Control: B5204 - Process

Emission Source/Control: B5205 - Process

Item 44.55:

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

Emission Unit: B-00005

Process: B53

Source Classification Code: 3-01-999-99

Process Description:

R-B-12 (EMISSION POINT B0063 AND EMISSION SOURCE B5301) IS UTILIZED IN THE PRODUCTION OF TERRAZOLE, 40% SODIUM OMADINE, AND 10% SODIUM HYPOCHLORITE SOLUTION.

Emission Source/Control: B5301 - Process

Item 44.56:

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

Emission Unit: B-00005

Process: B54

Source Classification Code: 3-01-999-99

Process Description:

R-B-05 (EMISSION POINT B0075 AND EMISSION SOURCE B5401) IS UTILIZED AS A MIXING TANK FOR THE FORMULATION OF 40% NaPT, PRODUCTION OF TRIADINE 10, PURIFIED SODIUM OMADINE, AND OMDS AND HOLDING OF PLANT STREAM NaPT.

Emission Source/Control: B5401 - Process

Item 44.57:

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

Emission Unit: B-00005

Process: B55

Source Classification Code: 3-01-999-99

Process Description:

ZINC PYRITHIONE REACTION TANK (EMISSION SOURCE B5503), SETTLING TANK (EMISSION SOURCE B5502), AND OVERFLOW CATCH TANK (EMISSION POINT B0077 AND EMISSION SOURCE B5501) ARE UTILIZED IN THE PRODUCTION OF ZINC OMADINE.

Emission Source/Control: B5501 - Process

Emission Source/Control: B5502 - Process

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: B5503 - Process

Item 44.58:

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

Emission Unit: B-00005

Process: B56

Source Classification Code: 3-01-999-99

Process Description:

VESSELS (V-B-103 SOLID SEPARATION FEED TANK - EMISSION SOURCE B5602, V-B-130-EMISSION SOURCE B5603, AND V-B-132 - EMISSION SOURCE 5604) AND REACTORS (R-B-102 PRECIPITATOR VESSEL - EMISSION SOURCE B5601) WHICH ARE UTILIZED IN THE PRODUCTION OF USSC.

Emission Source/Control: B5601 - Process

Emission Source/Control: B5602 - Process

Emission Source/Control: B5603 - Process

Emission Source/Control: B5604 - Process

Item 44.59:

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

Emission Unit: B-00005

Process: B57

Source Classification Code: 3-01-840-01

Process Description:

R-B-11 (EMISSION POINT B0061 AND EMISSION SOURCE B5701) IS UTILIZED IN THE STRIPPING OF METHANOL AND ADDITIONAL SOLVENTS AS REQUIRED BY PRODUCTION REQUIREMENTS.

Emission Source/Control: B5702 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B5701 - Process

Item 44.60:

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

Emission Unit: B-00006

Process: B60

Source Classification Code: 3-01-840-01

Process Description:

DISTILLATION COLUMN SYSTEM T-B-24 (EMISSION POINT B0017 AND EMISSION SOURCE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



B6001) IS UTILIZED FOR THE RECOVERY OF
2-CHLOROPYRIDINE, 2-6-DICHLOROPYRIDINE,
AND PYRIDINE.

Emission Source/Control: B6002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B6001 - Process

Item 44.61:

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

Emission Unit: B-00006

Process: B61

Source Classification Code: 3-01-840-01

Process Description:

DISTILLATION COLUMN SYTEM T-B-24 (EMISSION
POINT B0017 AND EMISSION SOURCE B6001) IS
UTILIZED FOR THE RECOVERY OF CARBON
TETRACHLORIDE, 2-CHLORPYRIDINE,
2,6-DICHLOROPYRIDINE, AND PYRIDINE.

Emission Source/Control: B6002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B6001 - Process

Item 44.62:

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

Emission Unit: B-00007

Process: B70

Source Classification Code: 3-01-999-99

Process Description:

VENTURI SCRUBBER SYSTEM S-B-38 (EMISSION
POINT B0066) RECEIVES VENTS FROM R-B-10
(EMISSION SOURCE B7001) AND V-B-10
(EMISSION SOURCE B7003). IN THIS PROCESS,
STEAM IS UTILIZED AS A SOLVENT INSTEAD OF
CARBON TETRACHLORIDE.

Emission Source/Control: B7002 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B7004 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B7001 - Process

Emission Source/Control: B7003 - Process

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 44.63:

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

Emission Unit: B-00007

Process: B71

Source Classification Code: 3-01-999-99

Process Description:

VENTURI SCRUBBER SYSTEM S-B-38 (EMISSION POINT B0066) RECEIVES VENTS FROM R-B-10 (EMISSION SOURCE B7001) AND V-B-10 (EMISSION SOURCE B7003). THIS PROCESS UTILIZES CARBON TETRACHLORIDE AS A SOLVENT.

Emission Source/Control: B7002 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B7004 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B7001 - Process

Emission Source/Control: B7003 - Process

Item 44.64:

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

Emission Unit: B-00008

Process: B80

Source Classification Code: 3-01-999-99

Process Description:

S-CL-11 SCRUBBER SYSTEM (EMISSION POINT B0005) IS UTILIZED TO REMOVE ORGANICS FROM VARIOUS CONTINUOUS AND NON CONTINUOUS PROCESS EQUIPMENT VENTS ASSOCIATED WITH THE PRODUCTION OF 2-CHLOROPYRIDINE AND 2,6-DICHLOROPYRIDINE. IN THIS PROCESS, STEAM IS UTILIZED AS A SOLVENT INSTEAD OF CARBON TETRACHLORIDE. THE CONTINUOUS PROCESS SOURCES INCLUDE VENTS FROM A CAUSTIC SCRUBBER, VARIOUS TANKS (BLOWDOWN, SURGE, RECEIVER, STORAGE, ETC.), PHASE SEPARATORS, AND VACUUM PUMPS AND ARE AS FOLLOWS:

EMISSION SOURCE B8003 - V-CL-100 QUENCH TANK (NOTE: VENTS TO S-CL-01 VENTURI CAUSTIC SCRUBBER WHICH VENTS TO S-CL-11)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



EMISSION SOURCE B8004 - V-CL-10 (750 GAL)
BLOWDOWN STORAGE TANK
EMISSION SOURCE B8005 - V-CL-128 PHASE
SEPARATOR
EMISSION SOURCE B8006 - V-B-57 (15,000
GAL) AQUEOUS STORAGE TANK
EMISSION SOURCE B8007 - V-CL-129 WET
ORGANIC SURGE TANK
EMISSION SOURCE B8008 - V-B-135 PHASE
SEPARATOR
EMISSION SOURCE B8009 - V-B-55 ORGANIC
SURGE TANK
EMISSION SOURCE B8010 - V-B-71 PYRIDINE
RECEIVER TANK
EMISSION SOURCE B8011 - V-CL-06
BY-PRODUCT STORAGE TANK
EMISSION SOURCE B8012 - V-B-59 CRUDE
2-PCL STORAGE
EMISSION SOURCE B8013 - V-B-13 2-PCL
RECEIVER TANK
EMISSION SOURCE B8014 - V-B-14 2-PCL
RECEIVER TANK
EMISSION SOURCE B8015 - V-B-64A 2- PCL
RECEIVER TANK
EMISSION SOURCE B8016 - V-B-64B 2-PCL
RECEIVER TANK
EMISSION SOURCE B8017 - V-B-64C 2-PCL
RECEIVER TANK
EMISSION SOURCE B8018 - V-B-08 OFF SPEC
2-PCL TANK
EMISSION SOURCE B8019 - V-B-62 2-PCL
STORAGE
EMISSION SOURCE B8020 - V-B-64 2-PCL
STORAGE
EMISSION SOURCE B8021 - V-B-25 G VACUUM
SYSTEM (NOTE: VACUUM SYSTEM PROVIDES
VACUUM FOR EMISSION SOURCES B8033: R-B-06,
B8034: R-B-08, B8035: TB-23 PYRIDINE
COLUMN, B8036: TB-25 PYRIDINE COLUMN, AND
B8037: TB-134 3-PCL COLUMN
EMISSION SOURCE B8022 - V-B-25H OVERFLOW
RECEIVER
EMISSION SOURCE B8023 - V-B-50 DIRTY
STREAM STORAGE
EMISSION SOURCE B8024 - V-B-54 UTILITY
STORAGE
EMISSION SOURCE B8025 - V-CL-06A UTILITY
STORAGE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



EMISSION SOURCE B8026 - V-B-01A RECYCLE STORAGE
EMISSION SOURCE B8027 - V-B-142 REDUCTION PRODUCT STORAGE TANK
EMISSION SOURCE B8028 - V-B-95 STRIP RECEIVER

THE NON CONTINUOUS PROCESS SOURCES INCLUDE VENTS FROM CHARGING VARIOUS STILLS AND STORAGE TANKS. THESE INCLUDE EMISSION SOURCES B8008, B8018, B8019, B8020, B8024, B8025, B8027, B8028 AND THE FOLOWING:

EMISSION SOURCE B8029 - V-B-91B 2-PCL RECEIVER
EMISSION SOURCE B8030 - V-B-91D 2-PCL RECEIVER
EMISSION SOURCE B8031 - R-B-01 STEAM STILL
EMISSION SOURCE B8032 - R-B-02 STEAM STILL
EMISSION SOURCE B8033 - R-B-06 2-PCL BATCH VACUUM DISTILLATION
EMISSION SOURCE B8034 - R-B-08 2-PCL BATCH VACUUM DISTILLATION
EMISSION SOURCE B8038 - TB-135 CAUSTIC EXTRACTOR

Emission Source/Control: B8001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: B8002 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B8003 - Process

Emission Source/Control: B8004 - Process

Emission Source/Control: B8005 - Process

Emission Source/Control: B8006 - Process

Emission Source/Control: B8007 - Process

Emission Source/Control: B8008 - Process

Emission Source/Control: B8009 - Process



- Emission Source/Control: B8010 - Process
- Emission Source/Control: B8011 - Process
- Emission Source/Control: B8012 - Process
- Emission Source/Control: B8013 - Process
- Emission Source/Control: B8014 - Process
- Emission Source/Control: B8015 - Process
- Emission Source/Control: B8016 - Process
- Emission Source/Control: B8017 - Process
- Emission Source/Control: B8018 - Process
- Emission Source/Control: B8019 - Process
- Emission Source/Control: B8020 - Process
- Emission Source/Control: B8021 - Process
- Emission Source/Control: B8022 - Process
- Emission Source/Control: B8023 - Process
- Emission Source/Control: B8024 - Process
- Emission Source/Control: B8025 - Process
- Emission Source/Control: B8026 - Process
- Emission Source/Control: B8027 - Process
- Emission Source/Control: B8028 - Process
- Emission Source/Control: B8029 - Process
- Emission Source/Control: B8030 - Process
- Emission Source/Control: B8031 - Process
- Emission Source/Control: B8032 - Process
- Emission Source/Control: B8033 - Process

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: B8034 - Process

Emission Source/Control: B8035 - Process

Emission Source/Control: B8037 - Process

Emission Source/Control: B8038 - Process

Item 44.65:

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

Emission Unit: B-00008

Process: B81

Source Classification Code: 3-01-999-99

Process Description:

S-CL-11 SCRUBBER SYSTEM (EMISSION POINT B0005) IS UTILIZED TO REMOVE ORGANICS FROM VARIOUS CONTINUOUS AND NON CONTINUOUS PROCESS EQUIPMENT VENTS ASSOCIATED WITH THE PRODUCTION OF 2-CHLOROPYRIDINE AND 2,6-DICHLOROPYRIDINE. IN THIS PROCESS, CARBON TETRACHLORIDE IS UTILIZED AS A SOLVENT. THE CONTINUOUS PROCESS SOURCES INCLUDE VENTS FROM A CAUSTIC SCRUBBER, VARIOUS TANKS (BLOWDOWN, SURGE, RECEIVER, STORAGE, ETC.), PHASE SEPARATORS, AND VACUUM PUMPS ARE AS FOLLOWS:

EMISSION SOURCE B8003 - V-CL-100 QUENCH TANK (NOTE: VENTS TO S-CL-01 VENTURI CAUSTIC SCRUBBER WHICH VENTS TO S-CL-11)

EMISSION SOURCE B8004 - V-CL-10 (750 GAL) BLOWDOWN STORAGE TANK

EMISSION SOURCE B8006 - V-B-57 (15,000 GAL) STORAGE TANK

EMISSION SOURCE B8009 - V-B-55 CARBON TETRACHLORIDE STORAGE TANK

EMISSION SOURCE B8010 - V-B-71 PYRIDINE RECEIVER TANK

EMISSION SOURCE B8011 - V-CL-06 CARBON TETRACHLORIDE STORAGE TANK

EMISSION SOURCE B8012 - V-B-59 CRUDE 2-PCL STORAGE

EMISSION SOURCE B8013 - V-B-13 2-PCL RECEIVER TANK

EMISSION SOURCE B8014 - V-B-14 2-PCL RECEIVER TANK

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



17

EMISSION SOURCE B8015 - V-B-64A 2-PCL
RECEIVER TANK
EMISSION SOURCE B8016 - V-B-64B 2-PCL
RECEIVER TANK
EMISSION SOURCE B8017 - V-B-64C 2-PCL
RECEIVER TANK
EMISSION SOURCE B8018 - V-B-08 OFF SPEC
2-PCL TANK
EMISSION SOURCE B8019 - V-B-62 2-PCL
STORAGE
EMISSION SOURCE B8020 - V-B-64 2-PCL
STORAGE
EMISSION SOURCE B8021 - V-B-25G VACUUM
SYSTEM (NOTE: VACUUM SYSTEM PROVIDES VACUUM
FOR EMISSION SOURCES B8033: R-B-06, B8034:
R-B-08, B8035: TB-23 PYRIDINE COLUMN,
B8036: TB-25 3-PCL COLUMN,
B8107: T-B-28 CARBON TETRACHLORIDE COLUMN,
AND B8108: T-B-20 DISTILLATION OF 2-6
DCP
EMISSION SOURCE B8022 - V-B-25H OVERFLOW
RECEIVER
EMISSION SOURCE B8023 - V-B-50 DIRTY
STREAM STORAGE
EMISSION SOURCE B8024 - V-B-54 UTILITY
STORAGE
EMISSION SOURCE B8025 - V-CL-06A UTILITY
STORAGE
EMISSION SOURCE B8026 - V-B-01A RECYCLE
STORAGE
EMISSION SOURCE B8028 - V-B-95 STRIP
RECEIVER
EMISSION SOURCE B8029 - V-B-91B 2-PCL
RECEIVER
EMISSION SOURCE B8030 - V-B-91D 2-PCL
RECEIVER
EMISSION SOURCE B8102 - V-CL-09 QUENCH
TANK
EMISSION SOURCE B8103 - V-CL-14 QUENCH
TANK
EMISSION SOURCE B8104 - V-B-42 BY PRODUCT
TANK
EMISSION SOURCE B8105 - V-B-67 CRUDE 2,6
DCP

THE NON CONTINUOUS PROCESS SOURCES INCLUDE
VENTS FROM CHARGING VARIOUS STILLS AND

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



STORAGE TANKS. THESE INCLUDE EMISSION SOURCES B8009, B8011, B8018, B8019, B8020, B8023, B8024, B8025, B8028, B8029, B8030, B8105 AND THE FOLLOWING:

EMISSION SOURCE B8031 - R-B-01 STEAM STILL

EMISSION SOURCE B8032 - R-B-02 STEAM STILL

EMISSION SOURCE B8033 - R-B-06 2-PCL BATCH VACUUM DISTILLATION

EMISSION SOURCE B8034 - R-0B-08 2-PCL BATCH VACUUM DISTILLATION

Emission Source/Control: B8001 - Control
Control Type: WET SCRUBBER

Emission Source/Control: B8002 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B8101 - Control
Control Type: WET SCRUBBER

Emission Source/Control: B8003 - Process

Emission Source/Control: B8004 - Process

Emission Source/Control: B8006 - Process

Emission Source/Control: B8009 - Process

Emission Source/Control: B8010 - Process

Emission Source/Control: B8011 - Process

Emission Source/Control: B8012 - Process

Emission Source/Control: B8013 - Process

Emission Source/Control: B8014 - Process

Emission Source/Control: B8015 - Process

Emission Source/Control: B8016 - Process

Emission Source/Control: B8017 - Process

Emission Source/Control: B8018 - Process



- Emission Source/Control: B8019 - Process
- Emission Source/Control: B8020 - Process
- Emission Source/Control: B8021 - Process
- Emission Source/Control: B8022 - Process
- Emission Source/Control: B8023 - Process
- Emission Source/Control: B8024 - Process
- Emission Source/Control: B8025 - Process
- Emission Source/Control: B8026 - Process
- Emission Source/Control: B8028 - Process
- Emission Source/Control: B8029 - Process
- Emission Source/Control: B8030 - Process
- Emission Source/Control: B8031 - Process
- Emission Source/Control: B8032 - Process
- Emission Source/Control: B8033 - Process
- Emission Source/Control: B8034 - Process
- Emission Source/Control: B8102 - Process
- Emission Source/Control: B8103 - Process
- Emission Source/Control: B8104 - Process
- Emission Source/Control: B8105 - Process
- Emission Source/Control: B8106 - Process
- Emission Source/Control: B8107 - Process
- Emission Source/Control: B8108 - Process

Item 44.66:

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: C-00001

Process: C10

Source Classification Code: 3-01-999-99

Process Description:

CAUSTIC SCRUBBER S-C-17 (EMISSION POINT C0001) RECEIVES VENTS FROM PROCESS EQUIPMENT UTILIZED IN THE PRODUCTION AND DEGASSING OF TRICHLOROACETONITRILE (TCAN). ACETONITRILE IS CHLORINATED IN R-C-14 (EMISSION SOURCE C1001) TO PRODUCE TCAN. THE CRUDE TCAN IS DEGASSED USING A DEGASSING COLUMN (EMISSION SOURCE C1003) PRIOR TO TRANSFER INTO STORAGE TANK V-C-02 (EMISSION SOURCE C1004). OFF GASES FROM THE DEGASSING COLUMN ARE VENTED THROUGH A WATER SCRUBBER (C1005) AND A CAUSTIC SCRUBBER (C1008).

Emission Source/Control: C1005 - Control

Control Type: WET SCRUBBER

Emission Source/Control: C1008 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: C1009 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: C1010 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: C1001 - Process

Emission Source/Control: C1002 - Process

Emission Source/Control: C1003 - Process

Emission Source/Control: C1004 - Process

Emission Source/Control: C1006 - Process

Emission Source/Control: C1007 - Process

Item 44.67:

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

Emission Unit: C-00002

Process: C20

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEM (EMISSION POINT

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



C0003) FOR C-AREA REACTORS WHEN CHARGING OR DRUMMING OUT REACTORS.

Emission Source/Control: C2001 - Process

Item 44.68:

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

Emission Unit: C-00003

Process: C33

Source Classification Code: 3-01-830-01

Process Description:

C-AREA STORAGE TANKS NOT REGULATED UNDER NYCRR PART 229 INCLUDE AN HCL STORAGE TANK V-C-16 (EMISSION SOURCE C3301) AND LIMESTONE SCRUBBER (EMISSION POINT C0007).

Emission Source/Control: C3302 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: C3301 - Process

Item 44.69:

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

Emission Unit: C-00004

Process: C40

Source Classification Code: 3-01-999-99

Process Description:

PRODUCTION OF WAYHIB S AND OMACIDE P PRODUCTION IN REACTOR R-C-12 (EMISSION POINT C0011 AND EMISSION SOURCE C4001) WHICH DOES NOT NEED EMISSION CONTROLS.

Emission Source/Control: C4001 - Process

Item 44.70:

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

Emission Unit: C-00005

Process: C50

Source Classification Code: 3-01-999-99

Process Description:

PRODUCTION OF WAYHIB RW IN REACTOR R-C-01 (EMISSION SOURCE C5001) AND POLYPHOSPHORIC ACID STORAGE TANK V-B-48 (EMISSION SOURCE C5002) ARE VENTED THROUGH A CAUSTIC SCRUBBER S-C-12 (EMISSION POINT C0002) WHEN REACTOR IS OPERATED ATMOSPHERICALLY.

Emission Source/Control: C5003 - Control

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: C5001 - Process

Emission Source/Control: C5002 - Process

Item 44.71:

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

Emission Unit: C-00005

Process: C51

Source Classification Code: 3-01-999-99

Process Description:

PRODUCTION OF OMACIDE AND WAYHIB S IN REACTOR (R-C-12), WHICH IS VENTED THROUGH A VENTURI SCRUBBER BY VACUUM PUMP P-C-21 (EMISSION POINT C0015).

Emission Source/Control: C5006 - Control

Control Type: WATER SEAL

Emission Source/Control: C5101 - Process

Item 44.72:

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

Emission Unit: C-00006

Process: C60

Source Classification Code: 3-01-999-99

Process Description:

ZINC OMADINE PROCESS SOLIDS HANDLING SYSTEMS INCLUDE A VACUUM SOLIDS HANDLING SYSTEM (EMISSION POINT C0023) AND PARTICULATE REMOVAL SYSTEMS INCLUDING CYCLONES AND PAPER FILTERS AND VENT (EMISSION POINT C0024) FROM BAG DUMP STATION (EMISSION SOURCE C6007) AND PARTICULATE REMOVAL SYSTEM.

Emission Source/Control: C6003 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: C6004 - Control

Control Type: PAPER FILTER

Emission Source/Control: C6005 - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: C6006 - Control

Control Type: PAPER FILTER

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: C6008 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C6001 - Process

Emission Source/Control: C6002 - Process

Emission Source/Control: C6007 - Process

Item 44.73:

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

Emission Unit: D-00001

Process: D10

Source Classification Code: 3-01-840-01

Process Description:

BATCH DISTILLATION OF TRICHLOROACETONITRILE (TCAN), WHICH IS VENTED THROUGH CAUSTIC SCRUBBER S-D-01 (EMISSION POINT D0002). A MIXTURE OF TRICHLOROACETONITRILE (APPROXIMATELY 72%) AND ACETONITRILE (APPROXIMATELY 28%) IS CHARGED TO R-D-01 (EMISSION SOURCE D1001). HEXANE IS THEN TRANSFERRED INTO R-D-01 (EMISSION SOURCE D1001). THE MIXTURE IS BATCH DISTILLED AND THREE CUTS ARE MADE: 1) FIRST CUT (APPROXIMATELY 90% ACETONITRILE) IS TRANSFERRED INTO V-D-27 (EMISSION SOURCE D1003); 2) SECOND CUT (APPROXIMATELY 75% TRICHLOROACETONITRILE AND 25% HEXANE) IS TRANSFERRED INTO V-D-26 (EMISSION SOURCE D1002); 3) THIRD CUT (APPROXIMATELY 100% TRICHLOROACETONITRILE) IS TRANSFERRED INTO V-D-09 (EMISSION SOURCE D1004). DURING THE BATCH DISTILLATION PROCESS, VAPORS FROM THE BATCH DISTILLATION SYSTEM'S PRIMARY CONDENSER ARE VENTED THROUGH A REFRIGERATED VENT CONDENSER AND A CAUSTIC SCRUBBER SD-01.

Emission Source/Control: D1005 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: D1006 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: D1001 - Process

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Source/Control: D1002 - Process

Emission Source/Control: D1003 - Process

Emission Source/Control: D1004 - Process

Item 44.74:

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

Emission Unit: D-00001

Process: D11

Source Classification Code: 3-01-840-01

Process Description:

VACUUM DISTILLATION OF CHEMICAL 2422 WHICH IS VENTED THROUGH CAUSTIC SCRUBBER S-D-01 (EMISSION POINT D0002). A MIXTURE OF CHEMICAL 2422 AND CHLOROFORM IS VACUUM DISTILLED IN A VACUUM EVAPORATOR SYSTEM (EMISSION SOURCE D1101). THE CRUDE CHEMICAL 2422 IS TRANSFERRED FROM V-D-06 (EMISSION SOURCE D1102) INTO THE VACUUM EVAPORATOR SYSTEM. DURING THE DISTILLATION, THE PURIFIED 2422 IS CONDENSED INTO TANKS V-D-07 (EMISSION SOURCE D1103) AND V-D-08 (EMISSION SOURCE D1104) ON AN ALTERNATING BASIS. VAPORS ARE EXHAUSTED THROUGH CONDENSERS TO A FOUR-STAGE VACUUM JET. THE VACUUM JET DISCHARGE IS VENTED TO A CAUSTIC SCRUBBER. THE RECEIVER TANKS ARE 20 PRESSURIZED WITH NITROGEN AND THE CHEMICAL 2422 TRANSFERRED TO STORAGE. UPON COMPLETION OF TRANSFER, THE TANKS ARE VENTED TO THE CAUSTIC SCRUBBER.

Emission Source/Control: D1006 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: D1101 - Process

Emission Source/Control: D1102 - Process

Emission Source/Control: D1103 - Process

Emission Source/Control: D1104 - Process

Item 44.75:

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



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: D-00002

Process: D20

Source Classification Code: 3-01-800-01

Process Description:

EXHAUST VENTILATION SYSTEMS (EMISSION POINTS D0003 AND D0017) FROM D-AREA REACTORS AND MISCELLANEOUS EMISSION SOURCES. THE VENTILATION SYSTEMS ARE FOR VOCS AND HYDROCHLORIC ACID. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: D2001 - Process

Emission Source/Control: D2002 - Process

Item 44.76:

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

Emission Unit: D-00003

Process: D30

Source Classification Code: 3-01-999-99

Process Description:

DECOMPOSITION OF TRICHLOROACETONITRILE (TCAN) BY THE UTILIZATION OF CAUSTIC IN A REACTOR R-D-02 (EMISSION SOURCE D3001). REACTOR R-D-02 IS CHARGED WITH SODIUM HYDROXIDE SOLUTION (50% SODIUM HYDROXIDE, 20% SODIUM HYDROXIDE, AND S-D-01 SCRUBBER LIQUOR, WHICH CONTAINS APPROXIMATELY 10% SODIUM HYDROXIDE). TCAN PROCESS RESIDUE IS ADDED AT A CONTROLLED RATE AND RESULTS IN AN EXOTHERMIC HYDROLYSIS REACTION. CHLOROFORM AND AMMONIA ARE LIBERATED AS THE TCAN RESIDUE IS DECOMPOSED. CHLOROFORM IS CONDENSED AND RECOVERED WHILE THE AMMONIA AND UNCONDENSED CHLOROFORM ARE VENTED TO CAUSTIC SCRUBBER ASSOCIATED WITH R-D-02 (EMISSION POINT D0009).

Emission Source/Control: D3002 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: D3001 - Process

Item 44.77:

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

Emission Unit: D-00004

Process: D40

Source Classification Code: 3-01-870-98

Process Description:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



ORGANIC WASTEWATER AND ORGANIC STORAGE TANKS CONTAINED IN AQUEOUS WASTE ORGANIC REMOVAL SYSTEM INCLUDE V-D-12 (EMISSION SOURCE D4001), V-D-15 (EMISSION SOURCE D4002), V-D-04 (EMISSION SOURCE D4003), V-D-31 (EMISSION SOURCE D4004), V-D-32 (EMISSION SOURCE D4005), V-D-34 (EMISSION SOURCE D4006) AND HAVE A COMMON ATMOSPHERIC VENT (EMISSION POINT D0011). ORGANIC STRIPPER T-D-02 IS UTILIZED TO STRIP ORGANICS FROM ORGANIC CONTAINING WASTEWATER STREAMS.

Emission Source/Control: D4001 - Process

Emission Source/Control: D4002 - Process

Emission Source/Control: D4003 - Process

Emission Source/Control: D4004 - Process

Emission Source/Control: D4005 - Process

Emission Source/Control: D4006 - Process

Item 44.78:

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

Emission Unit: D-00004

Process: D41

Source Classification Code: 3-01-840-01

Process Description:

STRIPPER SYSTEM FOR ORGANIC WASTEWATERS. ORGANIC STRIPPER T-D-02 (EMISSION POINT D0010) IS UTILIZED TO STRIP ORGANICS FROM ORGANIC CONTAINING WASTEWATER BEFORE THE WASTEWATER IS FED TO AN ACTIVATED CARBON SYSTEM.

Emission Source/Control: D4101 - Process

Item 44.79:

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

Emission Unit: D-00005

Process: D53

Source Classification Code: 3-01-870-98

Process Description:

D-AREA STORAGE TANKS NOT REGULATED UNDER NYCRR PART 229. THESE INCLUDE BUT ARE NOT

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



LIMITED TO V-D-25 (EMISSION SOURCE D5301 AND EMISSION POINT D0015) WHICH HOLDS SPENT SCRUBBER SOLUTION FROM S-D-01 SCRUBBER AND V-D-17 (EMISSION SOURCE D5302 AND EMISSION POINT D0016) WHICH HOLDS CONDENSATE FROM S-D-01 VACUUM JET SYSTEM.

Emission Source/Control: D5301 - Process

Emission Source/Control: D5302 - Process

Item 44.80:

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

Emission Unit: D-00006

Process: D60

Source Classification Code: 3-01-999-99

Process Description:

SOLIDS PREPARATION EQUIPMENT (CONE BLENDER, ETC.) AND ASSOCIATED PARTICULATE CONTROL EQUIPMENT (EMISSION POINT D0018) WITHIN D-AREA ARE UTILIZED TO BLEND VARIOUS SOLID MATERIALS.

Emission Source/Control: D6002 - Control

Control Type: FABRIC FILTER

Emission Source/Control: D6001 - Process

Item 44.81:

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

Emission Unit: D-00006

Process: D61

Source Classification Code: 3-01-999-99

Process Description:

BALL MILLS (EMISSION SOURCES D6101 AND 6103) ARE UTILIZED TO GRIND MATERIAL (SOHIO CATALYST, ETC.) TO SATISFY PRODUCT SIZE REQUIREMENT AND VENTILATION AIR IS PASSED THROUGH PARTICULATE REMOVAL EQUIPMENT.

Emission Source/Control: D6102 - Control

Control Type: FABRIC FILTER

Emission Source/Control: D6104 - Control

Control Type: FABRIC FILTER

Emission Source/Control: D6101 - Process



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Source/Control: D6103 - Process

Condition 45: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A10

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR AMMONIA,
WHICH IS A "B" RATED COMPOUND, IF
FUGITIVE EMISSIONS ARE MAINTAINED AT A
LEVEL LESS THAN 1.0 LB/HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 46: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A10

Regulated Contaminant(s):

CAS No: 007723-14-0 PHOSPHORUS (YELLOW)

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR
PHOSPHOROUS, WHICH IS A "B" RATED
COMPOUND, IF FUGITIVE EMISSIONS ARE
MAINTAINED AT A LEVEL LESS THAN 1.0
LB/HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 47: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A10

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED AS FUGITIVES IS LESS THAN 1.0
LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
b DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 48: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 48.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: A-00001

Process: A10

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN
CHLORIDE, WHICH IS A "B" RATED COMPOUND,
IF FUGITIVE EMISSIONS ARE LESS THAN 1.0
LB/HR.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM VENTILATION SYSTEM
MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A11

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED AS FUGITIVES IS LESS THAN 1.0
LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A11

Regulated Contaminant(s):

CAS No: 007697-37-2 NITRIC ACID



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF EMISSIONS OF
NITRIC ACID ARE LESS THAN 1.0 LB/HR.
RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 52: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: A12

Regulated Contaminant(s):

CAS No: 000594-42-3

METHANESULFENYL CHLORIDE, TRICHLORO- CCL4S

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR
PERCHLOROMETHYLMERCAPTAN (PCMM), WHICH IS
A "B" RATED COMPOUND, IF FUGITIVE
EMISSIONS ARE LESS THAN 1.0 LB/HR.
RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0077

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM DRYER EXHAUST PARTICULATE CONTROL
EQUIPMENT MUST NOT EXCEED 0.05 GR/DSCF
UNCORRECTED. TESTING AND REPORTING TO BE
DONE AT THE DISCRETION OF THE
DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 54: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0077

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0078

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 55.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED FROM DRYER EXHAUST PARTICULATE CONTROL EQUIPMENT MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0078

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 57: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0101

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE FROM SOLIDS DRUMMING STATION VENTILATION SYSTEM MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0101

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 59: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00002 Emission Point: A0118

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

CAS No: 0NY075-00-0 PARTICULATES

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM EXHAUST PARTICULATE CONTROL
EQUIPMENT MUST NOT EXCEED 0.05 GR/DSCF
UNCORRECTED. TESTING AND REPORTING TO BE
DONE AT THE DISCRETION OF THE
DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 60: Emissions from two or more devices through one emission
point
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 60.1:

This Condition applies to Emission Unit: A-00003

Item 60.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 61: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 61.1:

This Condition applies to Emission Unit: A-00003



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 61.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 62: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.5(d)

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 63: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(e)(2)(v)

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003

Process: A30

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 63.2:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ORGANIC STORAGE TANKS, CAPACITY LESS THAN 10,000 GALLONS, ARE EQUIPPED WITH CONSERVATION VENTS. THESE CONSERVATION VENTS WILL BE PROPERLY MAINTAINED.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 64: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(e)(2)(iv)

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003

Process: A31

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ORGANIC STORAGE TANKS, CAPACITY GREATER THAN OR EQUAL TO 10,000 GALLONS BUT LESS THAN 20,000 GALLONS, MUST BE EQUIPPED WITH A SUBMERGED FILL LINE. THESE SUBMERGED FILL LINES WILL BE PROPERLY MAINTAINED.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 65: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 65.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: A-00003

Process: A34

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

ORGANIC STORAGE TANKS EQUIPPED WITH ACTIVATED CARBON ON TANK VENTS WILL ACHIEVE SAME DEGREE OF EMISSION CONTROL AS IF TANKS WERE EQUIPPED WITH CONSERVATION VENTS OR SUBMERGED FILL LINES (REFER TO PROTOCOLS NO. 2 AND NO. 5).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: VOC's

Upper Permit Limit: 100 parts per million (by volume)

Reference Test Method: Method 21

Monitoring Frequency: MONTHLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 66: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003 Emission Point: A0002

Process: A33

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



OPERATIONS

Monitoring Description:

PCMM TANKS VENT TO A CAUSTIC SCRUBBER WHICH WILL ACHIEVE BETTER EMISSIONS CONTROL THAN IF TANKS WERE EQUIPPED WITH CONSERVATION VENTS OR SUBMERGED FILL LINES. SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION.

d

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 5 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 67: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003 Emission Point: A0041

Process: A32

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ORGANIC STORAGE TANKS EQUIPPED WITH VENT CONDENSERS WILL ACHIEVE SAME DEGREE OF EMISSION CONTROL AS IF TANKS WERE EQUIPPED WITH CONSERVATION VENTS OR SUBMERGED FILL LINES. MONITOR COOLANT DISCHARGE FROM CONDENSER (REFER TO PROTOCOLS NO. 5 AND 7).

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 68: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00003 Emission Point: A0052
Process: A34

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

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

ORGANIC STORAGE TANKS EQUIPPED WITH
ACTIVATED CARBON ON TANK VENTS WILL
ACHIEVE SAME DEGREE OF EMISSION CONTROL
AS IF TANKS WERE EQUIPPED WITH
CONSERVATION VENTS OR SUBMERGED FILL
LINES (REFER TO
PROTOCOLS NO. 2 AND NO. 5).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 100 parts per million (by volume)

Reference Test Method: METHOD 21

Monitoring Frequency: MONTHLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 69: Emissions from two or more devices through one emission
point**



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 69.1:

This Condition applies to Emission Unit: A-00004

Item 69.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 70: Emissions from two or more devices through one stack -
Concentration standard**

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 70.1:

This Condition applies to Emission Unit: A-00004

Item 70.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 71: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00004

Process: A40

Regulated Contaminant(s):

CAS No: 001310-73-2 SODIUM HYDROXIDE

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

NO CONTROLS ARE REQUIRED FOR SODIUM HYDROXIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 72: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00004

Process: A41

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR AMMONIA WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN NECESSARY RECORDS TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 73: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 73.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: A-00004

Process: A42

Regulated Contaminant(s):

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 74: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00004

Process: A43

Regulated Contaminant(s):

CAS No: 000064-19-7 ACETIC ACID

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR ACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN NECESSARY RECORDS TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 75: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00004

Process: A44

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

HYDROGEN CHLORIDE IS A "B" RATED
CONTAMINANT, AND BASED ON ERP MUST BE
CONTROLLED AT A MINIMUM OF 90 PERCENT
CONTROL EFFICIENCY THROUGH OPERATION AND
MAINTENANCE OF THE VENT SCRUBBER.
TESTING WILL BE DONE AT THE DISCRETION OF
THE DEPARTMENT. OPERATOR WILL MANTAIN
NECESSARY RECORDS TO VERIFY ANNUAL
EMISSIONS REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 76: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00004

Process: A45

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO ATMOSPHERE FROM TANK VENT MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 77: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 77.1:

This Condition applies to Emission Unit: A-00005

Item 77.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 78: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 78.1:

This Condition applies to Emission Unit: A-00005

Item 78.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 79: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A50

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

AMMONIA IS A "B" RATED CONTAMINANT AND
BASED ON ERP MUST ACHIEVE 94% CONTAMINANT
REMOVAL CONTROL EFFICIENCY. OPERATE
WATER SCRUBBER AS DESIGNED. MAINTAIN
RECORDS NECESSARY TO PERFORM ANNUAL
EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WATER

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 20 gallons per minute

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 80: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 80.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: A-00005

Process: A50

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 81: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005r Process: A50

Emission Source: A5001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 81.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON VENT LINE FROM R-A-01 AND MONITOR AND RECORD ONCE PER DAY TEMPERATURE OF VENT CONDENSER COOLANT DISCHARGE (REFER TO PROTOCOLS NO. 5 AND 7).



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 82: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A50 Emission Source: A5002

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

Item 82.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM R-A-09 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO
PROTOCOLS NO. 5 AND 7).

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 83: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 83.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: A-00005

Process: A50

Emission Source: A5004

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 83.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM V-A-09 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO
PROTOCOLS NO. 5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 84: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A51

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 85: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A51

Regulated Contaminant(s):

CAS No: 001314-62-1 VANADIUM OXIDE V2O5

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VANDIUM OXIDE IS AN "A" RATED COMPOUND
AND THE ERP IS LESS THAN 1.0LB/HR. KEEP
RECORDS NECESSARY TO PERFORM ANNUAL
EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 86: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A51

Regulated Contaminant(s):

CAS No: 007664-38-2 PHOSPHORIC ACID

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

PHOSPHORIC ACID IS A "B" RATED CONTAMINANT AND BASED ON ERP MUST ACHIEVE 90% REMOVAL CONTROL EFFICIENCY. SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 50 grams per liter

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A51

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

HYDROGEN CHLORIDE IS A "B" RATED CONTAMINANT AND BASED ON ERP MUST ACHIEVE 90% REMOVAL CONTROL EFFICIENCY. SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. RETAIN REQUIRED RECORDS

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 50 grams per liter
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 88: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A52

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM SCRUBBER SYSTEM MUST NOT EXCEED 0.05
GR/DSCF UNCORRECTED. TESTING AND
REPORTING TO BE DONE AT THE DISCRETION OF
THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 89: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 89.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A52

Regulated Contaminant(s):

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

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

0 NITROGEN OXIDE EMISSIONS OF LESS THAN 10
LBS/HR DO NOT REQUIRE CONTROLS. MAINTAIN
RECORDS NECESSARY TO PERFORM ANNUAL
EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: WEEKLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 90: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A52

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 50 grams per liter
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 91: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A52

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

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 92: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A52



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Regulated Contaminant(s):
CAS No: 007782-50-5 CHLORINE

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 50 grams per liter
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 93: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A52

Regulated Contaminant(s):
CAS No: 007664-38-2 PHOSPHORIC ACID

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS NECESSARY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 50 grams per liter

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 94: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A53

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED FROM SCRUBBER SYSTEM MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 95: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A53

Regulated Contaminant(s):

CAS No: 000111-36-4 BUTANE,1-ISOCYANATO-

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR BUTYLISOCYANATE, WHICH IS A "B" RATED CONTAMINANT, IF ERP IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 96: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A53

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

HYDROGEN CHLORIDE IS A "B" RATED CONTAMINANT AND BASED ON ERP MUST ACHIEVE



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

90% REMOVAL CONTROL EFFICIENCY.
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 50 grams per liter
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 97: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A53

Regulated Contaminant(s):
CAS No: 007723-14-0 PHOSPHORUS (YELLOW)

Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NO CONTROLS ARE REQUIRED FOR
PHOSPHOROUS, WHICH IS A "B" RATED
CONTAMINANT, IF ERP IS LESS THAN 1.0
LB/HR. MAINTAIN RECORDS NECESSARY TO
PERFORM ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 98: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A53

Regulated Contaminant(s):

CAS No: 007553-56-2 IODINE

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR IODINE,
WHICH IS A "B" RATED CONTAMINANT, IF ERP
IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 99: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A53

Regulated Contaminant(s):

CAS No: 007681-52-9 HYPOCHLOROUS ACID, SODIUM SALT

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SODIUM HYPOCHLORITE IS A "B" RATED
CONTAMINANT AND BASED ON ERP MUST ACHIEVE
90% REMOVAL CONTROL EFFICIENCY.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 50 grams per liter
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 100: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A53

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

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 101: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 101.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A54

Regulated Contaminant(s):

CAS No: 000067-66-3 CHLOROFORM

Item 101.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM R-A-04 AND MONITOR AND
RECORD ONCE PER DAY THE TEMPERATURE OF
REFRIGERATED VENT CONDENSER COOLANT
DISCHARGE (REFER TO PROTOL NOS. 5 AND 7).
MAINTAIN REQUIRED RECORDS.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 102: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A54

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 103: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00005

Process: A54

Regulated Contaminant(s):

CAS No: 000594-42-3

METHANESULFENYL CHLORIDE, TRICHLORO- CCL4S

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

R-A-08 VENTS TO A CAUSTIC SCRUBBER WHICH WILL ACHIEVE 99 PERCENT REMOVAL OF PCMM. SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 5 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 104: Emissions from two or more devices through one emission point



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 104.1:

This Condition applies to Emission Unit: A-00006

Item 104.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 105: Emissions from two or more devices through one stack -
Concentration standard**

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 105.1:

This Condition applies to Emission Unit: A-00006

Item 105.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 106: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006

Process: A62

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

NO CONTROLS ARE REQUIRED FOR HYDROGEN SULFIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 107: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006

Process: A63

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 108: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 108.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: A-00006

Process: A64

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM REACTOR SYSTEM
MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 109: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0036

Process: A60

Regulated Contaminant(s):

CAS No: 000067-56-1 METHYL ALCOHOL

Item 109.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM BATCH STILL R-A-16 AND
MONITOR AND RECORD ONCE PER DAY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

TEMPERATURE OF REFRIGERATED VENT
CONDENSER COOLANT DISCHARGE. REFER TO
PROTOCOLS NOS. 5 AND 7.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 110: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0036
Process: A60

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

Item 110.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM BATCH STILL R-A-16 AND
MONITOR AND RECORD ONCE PER DAY
TEMPERATURE OF REFRIGERATED VENT
CONDENSER COOLANT DISCHARGE. REFER TO
PROTOCOLS NOS. 5 AND 7.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 111: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0042
Process: A61

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

Item 111.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM V-A-15 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF
REFRIGERATED VENT CONDENSER COOLANT
DISCHARGE. (REFER TO PROTOCOLS 5 AND 7)

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 112: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0064
Process: A60

Regulated Contaminant(s):
CAS No: 000067-56-1 METHYL ALCOHOL

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON VENT LINE FROM R-A-10 AND MONITOR AND RECORD ONCE PER DAY TEMPERATURE OF REFRIGERATED VENT CONDENSER COOLANT DISCHARGE. (REFER TO PROTOCOLS 5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 113: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0064
Process: A60

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 113.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON VENT LINE FROM R-A-10 AND MONITOR AND RECORD ONCE PER DAY TEMPERATURE OF REFRIGERATED VENT CONDENSER COOLANT DISCHARGE. REFER TO PROTOCOLS NOS. 5 AND 7.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Condition 114: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0097
Process: A65

Regulated Contaminant(s):
CAS No: 000064-19-7 ACETIC ACID

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR ACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 115: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0097
Process: A65

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

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 116: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

f0Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00006 Emission Point: A0097
Process: A65

Regulated Contaminant(s):

CAS No: 007664-38-2 PHOSPHORIC ACID

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR PHOSPHORIC ACID, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 117: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 117.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: A-00006 Emission Point: A0097
Process: A65

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN
CHLORIDE, WHICH IS A "B" RATED COMPOUND,
IF EMISSIONS ARE LESS THAN 1.0 LB/HR.
KEEP RECORDS NECESSARY TO PERFORM ANNUAL
EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 118: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00007
Process: A70

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

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS OF ENTRAINED PARTICULATE
MATTER MUST NOT EXCEED 0.05 GRAINS PER
UNCORRECTED DRY STANDARD CUBIC FOOT.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: 0.05 grains per dscf



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 119: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00007

Process: A70

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 120: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00007

Process: A70

Regulated Contaminant(s):

CAS No: 055406-53-6



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

CARBAMIC ACID, BUTYL-,3-IODO-2-PROPYNYLESTER

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR BUTYLCARBAMIC ACID, WHICH IS A "B" RATED COMPOUND, IF ERP IS LESS THAN 1.0 LB/HR.

i0 KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 121: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 121.1:

This Condition applies to Emission Unit: A-00008

Item 121.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 122: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 122.1:

This Condition applies to Emission Unit: A-00008

Item 122.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Condition 123: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00008

Process: A80

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 124: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00008

Process: A81

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 125: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B10

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 126: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 126.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: B-00001

Process: B10

Regulated Contaminant(s):

CAS No: 003811-73-2 1-OXIDE,2-IPYRIDINETHIOL SODIUM SALT

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR SODIUM
PYRITHIONE, WHICH IS A "B" RATED
COMPOUND, IF FUGITIVE EMISSIONS ARE
MAINTAINED AT A LEVEL LESS THAN 1.0
LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 127: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 127.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B10

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN
CHLORIDE, WHICH IS A "B" RATED COMPOUND,
IF FUGITIVE EMISSIONS ARE MAINTAINED AT A
LEVEL LESS THAN 1.0 LB/HR. MAINTAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 128: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE MUST NOT EXCEED 0.05
GR/DSCF UNCORRECTED. TESTING AND
REPORTING TO BE DONE AT THE DISCRETION OF
THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 129: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 129.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED AS FUGITIVES IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 130: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B12

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 131: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 131.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B13

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 131.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED AS FUGITIVES IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 132: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B13

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 133: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 133.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 134: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):

CAS No: 000064-19-7 ACETIC ACID

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR ACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 135: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 135.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED AS FUGITIVES IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



TO BE COMPLETED UPON REQUEST OF THE
DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 136: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN
SULFIDE, WHICH IS A "B" RATED COMPOUND,
IF FUGITIVE EMISSIONS ARE MAINTAINED AT A
LEVEL LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 137: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 137.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 137.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 138: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 138.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B14

Regulated Contaminant(s):

CAS No: 007664-38-2 PHOSPHORIC ACID

Item 138.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR PHOSPHORIC ACID, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 139: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 139.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B15

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 140: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 140.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B15

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 140.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED AS FUGITIVES IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 141: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 141.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B15

Regulated Contaminant(s):

CAS No: 003811-73-2 1-OXIDE,2-PYRIDINETHIOL SODIUM SALT

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR SODIUM OMADINE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 142: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 142.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B16

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 143: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 143.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B16

Regulated Contaminant(s):

CAS No: 000079-21-0 ETHANEPEROXOIC ACID (METHYL ESTER)

Item 143.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR PERACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

LEVEL LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 144: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 144.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B16

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 144.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE
QUANTITY OF EACH "A" RATED COMPOUND
EMITTED AS FUGITIVES IS LESS THAN 1.0
LB/HR. RETAIN REQUIRED RECORDS. TESTING
TO BE DONE UPON REQUEST OF THE
DEPARTMENT.

0

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 145: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 145.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Process: B16

Regulated Contaminant(s):

CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 145.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN SULFIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 146: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 146.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B16

Regulated Contaminant(s):

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 146.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Condition 147: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 147.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001

Process: B16

Regulated Contaminant(s):

CAS No: 000064-19-7 ACETIC ACID

Item 147.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR ACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 148: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 148.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001 Emission Point: B0004

Process: B11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 149: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001 Emission Point: B0081

Process: B11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 149.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED FROM PARTICULATE CONTROL EQUIPMENT MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. RETAIN REQUIRED RECORDS. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 150: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 150.1:

This Condition applies to Emission Unit: B-00002

Item 150.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 151: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 151.1:

This Condition applies to Emission Unit: B-00002

Item 151.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 152: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.5(d)

Item 152.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 152.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 153: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(e)(2)(v)

Item 153.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00002

Process: B20

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 153.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ORGANIC STORAGE TANKS, CAPACITY LESS THAN 10,000 GALLONS, ARE EQUIPPED WITH CONSERVATION VENTS. THESE CONSERVATION VENTS WILL BE PROPERLY MAINTAINED.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 154: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 154.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00002

Process: B22

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



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

Item 154.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ORGANIC STORAGE TANKS EQUIPPED WITH VENT
CONDENSERS WILL ACHIEVE SAME DEGREE OF
EMISSION CONTROL AS IF TANKS WERE
EQUIPPED WITH CONSERVATION VENTS OR
SUBMERGED FILL LINES. MONITOR COOLANT
DISCHARGE FROM CONDENSER (REFER TO
PROTOCOLS NO. 5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 155: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 229.3(g)(1)(i)

Item 155.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00002

Process: B24

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 155.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

ORGANIC STORAGE TANKS EQUIPPED WITH
ACTIVATED CARBON ON VENTS WILL ACHIEVE
SAME DEGREE OF EMISSION CONTROL AS IF

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



TANKS WERE EQUIPPED WITH CONSERVATION VENTS OR SUBMERGED FILL LINES. (REFER TO PROTOCOLS NOS. 2 AND NO. 5).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: VOC's

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 100 parts per million (by volume)

Reference Test Method: METHOD 21

Monitoring Frequency: MONTHLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 156: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 156.1:

This Condition applies to Emission Unit: B-00003

Item 156.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 157: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 157.1:

This Condition applies to Emission Unit: B-00003

Item 157.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 158: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 158.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B30

Regulated Contaminant(s):

CAS No: 001310-73-2 SODIUM HYDROXIDE

Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR SODIUM HYDROXIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 159: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 159.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B31

Regulated Contaminant(s):

CAS No: 003811-73-2 1-OXIDE,2-PYRIDINETHIOL SODIUM SALT

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR SODIUM OMADINE (SODIUM SALT PYRITHIONE), WHICH



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN NECESSARY RECORDS TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

i417

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 160: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B32

Regulated Contaminant(s):

CAS No: 016721-80-5 SODIUM HYDROSULFIDE

Item 160.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR SODIUM SULFAHYDRATE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 161: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 161.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: B-00003

Process: B33

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 161.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 162: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 162.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B33

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



REQUIRED RECORDS. TESTING TO BE DONE UPON
REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 163: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 163.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B33

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN
CHLORIDE, WHICH IS A "B" RATED COMPOUND,
IF EMISSIONS ARE MAINTAINED AT A LEVEL
LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 164: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 164.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B34



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Regulated Contaminant(s):
CAS No: 000064-19-7 ACETIC ACID

Item 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR ACETIC ACID, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN NECESSARY RECORDS TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 165: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 165.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003
Process: B35

Regulated Contaminant(s):
CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 165.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN NECESSARY RECORDS TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Condition 166: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 166.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00003

Process: B36

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 166.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 167: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 167.1:

This Condition applies to Emission Unit: B-00004

Item 167.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 168: Emissions from two or more devices through one stack - Concentration standard



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 168.1:

This Condition applies to Emission Unit: B-00004

Item 168.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 169: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 169.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B40

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 169.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 170: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006



Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 170.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B40

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

Item 170.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED AND/OR HAPSCOMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 171: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 171.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B40

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 171.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

HYDROGEN SULFIDE IS A "B" RATED COMPOUND AND BASED ON ERP MUST ACHIEVE 90% REMOVAL EFFICIENCY. SCRUBBING LIQUID IS SAMPLED & ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 5 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 172: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 172.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B41

Regulated Contaminant(s):

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 172.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 173: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 173.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B41

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 174: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 174.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B42

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 174.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 175: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 175.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B42

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 175.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 176: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006



Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 176.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B42

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 176.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

HYDROGEN SULFIDE IS A "B" RATED COMPOUND
AND BASED ON ERP MUST ACHIEVE 90% REMOVAL
EFFICIENCY. SCRUBBING LIQUID IS SAMPLED
AND ANALYZED TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION. MAINTAIN REQUIRED
RECORDS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 5 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 177: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 177.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B43

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



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 177.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED AND/OR HAPS COMPOUNDS EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 178: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 178.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00004

Process: B43

Regulated Contaminant(s):

bCAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 178.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 179: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 179.1:

This Condition applies to Emission Unit: B-00005

Item 179.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 180: Emissions from two or more devices through one stack - Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 180.1:

This Condition applies to Emission Unit: B-00005

Item 180.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 181: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 181.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B50

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 181.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM REACTOR VENT MUST
NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 182: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 182.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B51

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 182.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM REACTOR VENT MUST
NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
MAINTAIN REQUIRED RECORDS. TESTING AND
REPORTING TO BE DONE AT THE DISCRETION OF
THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 183: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 183.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B51

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 183.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LB/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 184: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 184.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B51

Regulated Contaminant(s):

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 184.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after every calendar year.

Condition 185: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 185.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B51

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 185.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 186: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 186.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B53

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 186.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE FROM REACTOR SYSTEM MUST NOT EXCEED 0.05 GRAINS PER UNCORRECTED DRY STANDARD CUBIC FOOT. FACILITY MUST MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS REPORTING. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 187: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 187.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B53

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 187.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. MAINTAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 188: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 188.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B53

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 188.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 189: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 189.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: B-00005

Process: B53

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 189.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR CHLORINE,
WHICH IS AN "A" RATED COMPOUND, IF
EMISSIONS FOR CHLORINE ARE MAINTAINED AT
A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN
RECORDS NECESSARY TO PERFORM ANNUAL
EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 190: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 190.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B54

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 190.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM REACTOR SYSTEM
MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Upper Permit Limit: .05 grains per dscf
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 191: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 191.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B54

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

Item 191.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
THE QUANTITY OF EACH "A" RATED COMPOUND
EMITTED IS LESS THAN 1.0 LB/HR. RETAIN
REQUIRED RECORDS. TESTING TO BE DONE UPON
REQUEST OF THE DEPARTMENT.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 192: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 192.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B54



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Regulated Contaminant(s):

CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 192.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- I NO CONTROLS ARE REQUIRED FOR HYDROGEN PEROXIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 193: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 193.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B54

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 193.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- I NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Condition 194: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 194.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B55

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 194.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
TO THE ATMOSPHERE FROM REACTOR SYSTEM
MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE REPORTING.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 195: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 195.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B55

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 195.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED AND/OR HAPS COMPOUND EMITTED IS LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 25

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 196: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 196.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B56

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 196.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED TO THE ATMOSPHERE FROM REACTOR SYSTEM MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 197: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 197.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005

Process: B57

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 197.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM R-B-11 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO
PROTOCOLS NO. 5 AND NO. 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 198: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 198.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005 Emission Point: B0054

Process: B52

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

CAS No: 0NY998-00-0 VOC

Item 198.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM R-B-92 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO
PROTOCOLS NO. 5 AND NO. 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 199: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 199.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00005 Emission Point: B0067
Process: B52

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 199.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM R-B-04. MONITOR AND RECORD
THE TEMPERATURE OF THE VENT CONDENSER
COOLANT DISCHARGE ONCE PER DAY. (REFER TO
PROTOCOLS 5 & 7)

Parameter Monitored: TEMPERATURE



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 200: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 200.1:

This Condition applies to Emission Unit: B-00006

Item 200.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 201: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 201.1:

This Condition applies to Emission Unit: B-00006

Item 201.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

d

Condition 202: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 202.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Process: B60

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 202.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM T-B-24 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO
PROTOCOL NO. 5 AND NO. 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 203: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 203.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00006

Process: B61

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 203.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM T-B-24 AND MONITOR AND
RECORD ONCE PER DAY TEMPERATURE OF VENT
CONDENSER COOLANT DISCHARGE (REFER TO



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

PROTOCOL NO. 5 AND NO. 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 204: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 204.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00006

Process: B61

Regulated Contaminant(s):

CAS No: 000056-23-5 CARBON TETRACHLORIDE

Item 204.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON
VENT LINE FROM T-B-24 AND MONITOR AND
RECORD, ONCE PER DAY, THE TEMPERATURE OF
VENT CONDENSER COOLANT DISCHARGE (REFER
TO PROTOCOLS NO. 5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 205: Emissions from two or more devices through one emission
point**

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 205.1:

This Condition applies to Emission Unit: B-00007

Item 205.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 206: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 206.1:

This Condition applies to Emission Unit: B-00007

Item 206.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

**Condition 207: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 207.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00007

Process: B70

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 207.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE SCRUBBER AND ASSOCIATED
REFRIGERATED VENT CONDENSER ON VENT LINE
FROM SCRUBBER (S-B-38) AND RECORD, ONCE



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

PER DAY,THE TEMPERATURE OF VENT CONDENSER
COOLANT DISCHARGE (REFER TO PROTOCOLS NO.
5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 208: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 208.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00007

Process: B71

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 208.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE SCRUBBER AND ASSOCIATED
REFRIGERATED VENT CONDENSER ON VENT LINE
FROM SCRUBBER (S-B-38) AND RECORD, ONCE
PER DAY,THE TEMPERATURE OF VENT CONDENSER
COOLANT DISCHARGE (REFER TO PROTOCOLS NO.
5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 209: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 209.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00007

Process: B71

Regulated Contaminant(s):

CAS No: 000056-23-5 CARBON TETRACHLORIDE

Item 209.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE SCRUBBER AND ASSOCIATED
REFRIGERATED VENT CONDENSER ON VENT LINE
FROM SCRUBBER (S-B-38) AND RECORD, ONCE
PER DAY, THE TEMPERATURE OF VENT CONDENSER
COOLANT DISCHARGE (REFER TO PROTOCOLS NO.
5 AND 7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 210: Emissions from two or more devices through one emission
point**

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 210.1:

This Condition applies to Emission Unit: B-00008

Item 210.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 211: Emissions from two or more devices through one stack -
Concentration standard**



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 211.1:

This Condition applies to Emission Unit: B-00008

Item 211.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 212: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 212.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00008

Process: B80

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 212.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID FOR S-CL-01 IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



Condition 213: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 213.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00008
Process: B80

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

Item 213.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE SCRUBBER SYSTEM WITH CONTINUOUS
FLOW OF FRESH ORGANIC SCRUBBING LIQUID TO
SCRUBBER SYSTEM OF AT LEAST 100 POUNDS
PER HOUR. THE FLOW WILL BE LOGGED DAILY
AND KEPT ON RECORD FOR A PERIOD OF FIVE
YEARS.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 100 pounds per hour
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 214: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 214.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00008
Process: B81

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 214.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE SCRUBBER SYSTEM WITH CONTINUOUS
FLOW OF FRESH ORGANIC SCRUBBING LIQUID TO
SCRUBBER SYSTEM OF AT LEAST 100 POUNDS
PER HOUR. THE FLOW WILL BE LOGGED DAILY
AND KEPT ON RECORD FOR A PERIOD OF 5
YEARS.

Parameter Monitored: MASS FLOW RATE

Lower Permit Limit: 100 pounds per hour

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 215: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 215.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00008

Process: B81

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 215.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SCRUBBING LIQUID FOR S-CL-01 IS SAMPLED
AND ANALYZED TO DETERMINE SODIUM
HYDROXIDE CONCENTRATION. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 216: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 216.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00008
Process: B81

Regulated Contaminant(s):
CAS No: 000056-23-5 CARBON TETRACHLORIDE

Item 216.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
OPERATE SCRUBBER SYSTEM WITH CONTINUOUS
FLOW OF FRESH ORGANIC SCRUBBING LIQUID TO
SCRUBBER SYSTEM OF AT LEAST 100 POUNDS
PER HOUR. THE FLOW WILL BE LOGGED IN A
LOG BOOK DAILY AND KEPT ON RECORD FOR A
PERIOD OF 5 YEARS.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 100 pounds per hour
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 217: Emissions from two or more devices through one emission
point**
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 217.1:

This Condition applies to Emission Unit: C-00001

Item 217.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 218: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 218.1:

This Condition applies to Emission Unit: C-00001

Item 218.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

**Condition 219: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 219.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: C10

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 219.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION. (REFER TO PROTOCOL NO.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

5). MAINTAIN RECORDS NECESSARY TO
PERFORM ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 220: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 220.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001
Process: C10

Regulated Contaminant(s):
CAS No: 000545-06-2 TRICHLOROACETONITRILE

Item 220.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS
Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Condition 221: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 221.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: C10

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 221.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 222: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 222.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: C10



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Regulated Contaminant(s):

CAS No: 000075-05-8 ACETONITRILE

Item 222.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 223: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 223.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: C10

Regulated Contaminant(s):

CAS No: 000110-54-3 HEXANE

Item 223.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATE REFRIGERATED VENT CONDENSER ON VENT LINE FROM R-C-02 AND MONITOR AND RECORD, ONCE PER DAY, THE TEMPERATURE OF



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

VENT CONDENSER COOLANT DISCHARGE (REFER TO PROTOCOLS NO. 5 AND NO. 7). MAINTAIN REQUIRED RECORDS.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 224: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 224.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001
Process: C10

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

Item 224.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
OPERATE REFRIGERATED VENT CONDENSER ON VENT LINE FROM R-C-02 AND MONITOR AND RECORD, ONCE PER DAY, THE TEMPERATURE OF VENT CONDENSER COOLANT DISCHARGE (REFER TO PROTOCOLS NO. 5 AND 7). MAINTAIN REQUIRED RECORDS.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 5 degrees Centigrade (or Celsius)
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 225: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 225.1:

This Condition applies to Emission Unit: C-00002

Item 225.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 226: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 226.1:

This Condition applies to Emission Unit: C-00002

Item 226.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

**Condition 227: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 227.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00002

Process: C20

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 227.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR CHLORINE,



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

WHICH IS AN "A" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 228: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 228.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00002

Process: C20

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 228.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 229: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 229.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Emission Unit: C-00002

Process: C20

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 229.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 230: Compliance Certification

0 Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 230.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00003

Process: C33

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 230.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

HYDROGEN CHLORIDE IS ASSUMED TO BE A "B" RATED CONTAMINANT AMD BASED ON ERP MUST ACHIEVE 90% CONTAMINANT REMOVAL EFFICIENCY. THE CONTROL EQUIPMENT WILL BE PROPERLY MAINTAINED.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 231: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 231.1:

This Condition applies to Emission Unit: C-00004

Item 231.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 232: Emissions from two or more devices through one stack - Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 232.1:

This Condition applies to Emission Unit: C-00004

Item 232.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 233: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 233.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00004

Process: C40

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 233.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED FROM VENT R-C-12 TO ATMOSPHERE MUST NOT EXCEED 0.05 GR/DSCF UNCORRECTED. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 234: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 234.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00004

Process: C40

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 234.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 235: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 235.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00004

Process: C40

Regulated Contaminant(s):ar CAS No: 008017-16-1 POLYPHOSPHORIC ACIDS

Item 235.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR
POLYPHOSPHORIC ACID, WHICH IS A "B" RATED
COMPOUND, IF EMISSIONS FROM REACTOR ARE
MAINTAINED AT A LEVEL LESS THAN 1.0
LB/HR. MAINTAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 236: Emissions from two or more devices through one emission
point**

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 236.1:

This Condition applies to Emission Unit: C-00005

Item 236.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

**Condition 237: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 237.1:

This Condition applies to Emission Unit: C-00005

Item 237.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

**Condition 238: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 238.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0002
Process: C50

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 238.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 239: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 239.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0002
Process: C50

Regulated Contaminant(s):
CAS No: 008017-16-1 POLYPHOSPHORIC ACIDS

Item 239.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 240: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 240.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: C-00005 Emission Point: C0002
Process: C50

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

Item 240.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
EACH "A" RATED COMPOUND IS LESS THAN 1.0
LB/HR. MAINTAIN RECORDS NECESSARY TO
PERFORM ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 241: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 241.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C50

Regulated Contaminant(s):
CAS No: 008017-16-1 POLYPHOSPHORIC ACIDS

Item 241.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 242: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 242.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C50

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 242.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 243: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 243.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C50

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

Item 243.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
THE QUANTITY OF EACH "A" RATED COMPOUND
IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING. TESTING TO BE DONE
UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 244: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 244.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C51

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 244.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION. (REFER TO PROTOCOL #5)
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 245: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 245.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C51

Regulated Contaminant(s):

CAS No: 008017-16-1 POLYPHOSPHORIC ACIDS

Item 245.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 246: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 246.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00005 Emission Point: C0015
Process: C51

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

Item 246.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
THE QUANTITY OF EACH "A" RATED COMPOUND
IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING. TESTING TO BE DONE
UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 247: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 247.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00006 Emission Point: C0023
Process: C60



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 247.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM PARTICULATE CONTROL EQUIPMENT MUST
NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE REPORTING.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 248: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 248.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00006 Emission Point: C0024

Process: C60

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 248.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM PARTICULATE CONTROL EQUIPMENT MUST
NOT EXCEED 0.05 GR/DSCF UNCORRECTED.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE REPORTING.
TESTING AND REPORTING TO BE DONE AT THE
DISCRETION OF THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 249: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 249.1:

This Condition applies to Emission Unit: D-00001

Item 249.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 250: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 250.1:

This Condition applies to Emission Unit: D-00001

Item 250.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 251: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 251.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00001

Process: D11

Regulated Contaminant(s):

CAS No: 005848-93-1

5-CHLORO(3-TRICHLOROMETHYL)1,2,4 THIADIAZOLE

Item 251.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 252: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 252.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00001

Process: D11

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 252.2:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

bReporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 253: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 253.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00001 Emission Point: D0002

Process: D10

Regulated Contaminant(s):

CAS No: 000545-06-2 TRICHLOROACETONITRILE

Item 253.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 254: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 254.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00001 Emission Point: D0002
Process: D10

Regulated Contaminant(s):
CAS No: 000075-05-8 ACETONITRILE

Item 254.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
SCRUBBING LIQUID IS SAMPLED AND ANALYZED
TO DETERMINE SODIUM HYDROXIDE
CONCENTRATION (REFER TO PROTOCOL NO. 5).
MAINTAIN RECORDS NECESSARY TO PERFORM
ANNUAL EMISSIONS AND DISCHARGE
REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: CONCENTRATION
Lower Permit Limit: 1 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 255: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 255.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00001 Emission Point: D0002
Process: D10

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

Item 255.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MONITOR AND RECORD ONCE/DAY TEMPERATURE
OF COOLANT DISCHARGE FROM REFRIGERATED
VENT CONDENSER ON VAPOR DISCHARGE LINE
FROM R-D-01 (REFER TO PROTOCOLS 5 AND
7).

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 5 degrees Centigrade (or Celsius)

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 256: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 256.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00002 Emission Point: D0003

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

Item 256.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 257: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 257.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00002 Emission Point: D0003

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 257.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED FOR HYDROGEN CHLORIDE, WHICH IS A "B" RATED COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 258: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 258.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Emission Unit: D-00002 Emission Point: D0017

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 258.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 259: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 259.1:

This Condition applies to Emission Unit: D-00003

Item 259.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 260: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 260.1:

This Condition applies to Emission Unit: D-00003

Item 260.2:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 261: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 261.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00003

Process: D30

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 261.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 262: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 262.1:



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

The Compliance Certification activity will be performed for:

Emission Unit: D-00003

Process: D30

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 262.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

SCRUBBING LIQUID IS SAMPLED AND ANALYZED TO DETERMINE SODIUM HYDROXIDE CONCENTRATION (REFER TO PROTOCOL NO. 5). MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SOLUTION

Parameter Monitored: CONCENTRATION

Lower Permit Limit: 1 percent by weight

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 263: Emissions from two or more devices through one emission point

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 263.1:

This Condition applies to Emission Unit: D-00004

Item 263.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

Condition 264: Emissions from two or more devices through one stack - Concentration standard

Effective between the dates of 10/26/2001 and 10/26/2006



Applicable Federal Requirement: 6NYCRR 212.5(c)

Item 264.1:

This Condition applies to Emission Unit: D-00004

Item 264.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 265: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 265.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00004
Process: D40

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

Item 265.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
THE QUANTITY OF EACH "A" RATED COMPOUND
IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 266: Compliance Certification
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 266.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00004

Process: D41

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 266.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 267: Emissions from two or more devices through one emission point
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(a)

Item 267.1:

This Condition applies to Emission Unit: D-00005

0

Item 267.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point, the permissible emission rate or degree of air cleaning required is determined by using the sum of the process weights or emission rate potentials for all such devices or contrivances.

**Condition 268: Emissions from two or more devices through one stack -
Concentration standard
Effective between the dates of 10/26/2001 and 10/26/2006**

Applicable Federal Requirement: 6NYCRR 212.5(c)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



Item 268.1:

This Condition applies to Emission Unit: D-00005

Item 268.2:

Where air contaminants from two or more devices or contrivances are emitted to the outdoor atmosphere through a single emission point and the applicable emission standard for one or more of such devices or contrivances if vented separately to the outdoor atmosphere is a concentration standard (grains per standard cubic foot), the permissible emission rate through such emission point shall not exceed the quantity that would be allowed if said emissions were through separate emission points.

Condition 269: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 269.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00005 Emission Point: D0015
Process: D53

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

Item 269.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND THE QUANTITY OF EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 270: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Item 270.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00005 Emission Point: D0016
Process: D53

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

Item 270.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC
EMISSIONS ARE LESS THAN 3.0 LBS/HR AND
THE QUANTITY OF EACH "A" RATED COMPOUND
IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS
NECESSARY TO PERFORM ANNUAL EMISSIONS AND
DISCHARGE REPORTING. TESTING TO BE DONE
UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 271: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 271.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00006
Process: D60

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

Item 271.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

FACILITY MUST MONITOR CONTROL DEVICE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



PARAMETER AS AN INDICATOR THAT EMISSION CONTROL EQUIPMENT (DUST COLLECTOR) IS OPERATING PROPERLY FOR COMPLIANCE WITH 0.05 GRAINS PER DRY STANDARD CUBIC FOOT. TESTING AND REPORTING TO BE DONE AT THE DISCRETION OF THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 8 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: DAILY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 272: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 272.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00006

Process: D60

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 272.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

Condition 273: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 273.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00006

Process: D61

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 273.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

ENTRAINED PARTICULATE MATTER DISCHARGED
FROM PARTICULATE CONTROL EQUIPMENT MUST
NOT EXCEED 0.05 GR/DSCF UNCORRECTED.
RETAIN REQUIRED RECORDS. TESTING AND
REPORTING TO BE DONE AT THE DISCRETION OF
THE DEPARTMENT.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 6 inches of water

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 274: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 212.9(b)

Item 274.1:

The Compliance Certification activity will be performed for:

Emission Unit: D-00006

Process: D61

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344

CAS No: 0NY998-00-0 VOC

Item 274.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO CONTROLS ARE REQUIRED IF VOC EMISSIONS ARE LESS THAN 3.0 LBS/HR AND EACH "A" RATED COMPOUND IS LESS THAN 1.0 LB/HR. MAINTAIN RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 275: Compliance Certification

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable Federal Requirement: 6NYCRR 225-1.8(a)

Item 275.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-BOLRS

Item 275.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITTEE SHALL RETAIN FUEL OIL SUPPLIER CERTIFICATIONS FOR EACH SHIPMENT OF OIL RECEIVED. SUCH CERTIFICATIONS SHALL CONTAIN, AS A MINIMUM: SUPPLIER NAME, DATE OF SHIPMENT, QUANTITY SHIPPED, OIL SULFUR CONTENT, AND THE METHOD USED TO DETERMINE THE SULFUR CONTENT. SUCH CERTIFICATIONS SHALL BE AVAILABLE FOR INSPECTION BY, OR SUBMITTAL TO, NYSDEC UPON REQUEST.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Permit ID: 8-2614-00344/00307 Facility DEC ID: 8261400344



Reports due 30 days after every 6 calendar months (January - June, July - December)

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 276: General Provisions

Effective between the dates of 10/26/2001 and 10/26/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 276.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-0 6.4 of Part 201.

Item 276.2:

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

Item 276.3:

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

Condition 277: Contaminant List

Effective between the dates of 10/26/2001 and 10/26/2006

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

Item 277.1:

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

CAS No: 0NY998-00-0

Name: VOC

CAS No: 000110-54-3

Name: HEXANE

CAS No: 007553-56-2

Name: IODINE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 000067-66-3

Name: CHLOROFORM

CAS No: 000064-19-7

Name: ACETIC ACID

CAS No: 007697-37-2

Name: NITRIC ACID

CAS No: 000075-05-8

Name: ACETONITRILE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 000067-56-1

Name: METHYL ALCOHOL

CAS No: 007664-38-2

Name: PHOSPHORIC ACID

CAS No: 001310-73-2

Name: SODIUM HYDROXIDE

CAS No: 007783-06-4

Name: HYDROGEN SULFIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007722-84-1

Name: HYDROGEN PEROXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 007723-14-0

Name: PHOSPHORUS (YELLOW)

CAS No: 016721-80-5

Name: SODIUM HYDROSULFIDE

New York State Department of Environmental Conservation

Permit ID: 8-2614-00344/00307

Facility DEC ID: 8261400344



CAS No: 000056-23-5
Name: CARBON TETRACHLORIDE

CAS No: 000111-36-4
Name: BUTANE,1-ISOCYANATO-

CAS No: 001314-62-1
Name: VANADIUM OXIDE V2O5

CAS No: 008017-16-1
Name: POLYPHOSPHORIC ACIDS

CAS No: 000545-06-2
Name: TRICHLOROACETONITRILE

CAS No: 007681-52-9
Name: HYPOCHLOROUS ACID, SODIUM SALT

CAS No: 000079-21-0
Name: ETHANEPEROXOIC ACID (METHYL ESTER)

CAS No: 003811-73-2
Name: 1-OXIDE,2-PYRIDINETHIOL SODIUM SALT

CAS No: 000594-42-3
Name: METHANESULFENYL CHLORIDE, TRICHLORO- CCL4S

CAS No: 005848-93-1
Name: 5-CHLORO(3-TRICHLOROMETHYL)1,2,4 THIADIAZOLE

CAS No: 055406-53-6
Name: CARBAMIC ACID, BUTYL-,3-iodo-2-propynylester

Condition 278: Air pollution prohibited
Effective between the dates of 10/26/2001 and 10/26/2006

Applicable State Requirement: 6NYCRR 211.2

Item 278.1:

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.