PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

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

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

Contact: FRANCIEN TRUBIA
ARCH CHEMICALS INC
PO BOX 30205
ROCHESTER, NY 14603-0205
(585) 436-3030

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

Contact: FRANCIEN TRUBIA
ARCH CHEMICALS INC
PO BOX 30205
ROCHESTER, NY 14603-0205
(585) 436-3030

Description:
Renewal of initial Title V Facility Permit issued October 26, 2001 for industrial and agricultural chemical manufacturing operations. 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, and total hazardous air pollutants (HAP) in excess of 25 tons per year. HAP emitted include methanol, 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.

22 Emission Units (EU) are grouped into “Areas” which include processes involved in production of related compounds, and a 23rd Emission Unit includes the facility’s 2 boilers:

EU A-00001: A-Area ventilation systems for reactor man ways, filter hoods, spot ventilation, weigh shed and other miscellaneous emission sources;
EU A-00002: A-Area solids drying systems venting rotary vacuum dryers and associated drum out stations;
EU A-00003: A-Area Part 229 regulated organic compound storage tanks venting through control equipment;
EU A-00004: A-Area Part 212 regulated storage tanks 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;

EU A-00005: A-Area process reaction equipment venting through scrubber systems;
EU A-00006: A-Area process reaction equipment without scrubber systems;
EU A-00007: A-Area filtration system ventilation venting through a baghouse;
EU A-00008: A-Area solvent recovery systems;
EU B-00001: B-Area ventilation systems for reactor manways, drumout stations, and other miscellaneous emission sources;
EU B-00002: B-Area Part 229 regulated organic storage tanks venting through control equipment;
EU B-00003: B-Area Part 212 regulated storage tanks without control equipment;
EU B-00004. B-Area process reaction equipment venting through scrubber systems;
EU B-00005: B-Area process reaction equipment without scrubber systems;
EU B-00006: B-Area distillation equipment for recovery of organic compounds from the 2-chloropyridine production process;
EU B-00007: B-Area 2-chloropyridine production reactor with emission controls;
EU B-00008: B-Area 2-chloropyridine production equipment venting through a wet scrubber;
EU B-00009: B-Area Chlorine Scrubber System - Chlorine Scrubber System V-C-17 utilized to scrub chlorine
blowdown from tank cars and a vaporizer;
EU C-00002: C-Area ventilation system for reactor charging and drumming out;
EU C-00004: C-Area process reaction equipment without control equipment required;
EU D-00002: D-Area ventilation systems for reactors and ventilation around chemical handling systems;
EU D-00004: D-Area process equipment for storage and treatment of organic contaminated waste water;
EU D-00006: D-Area solids handling equipment with particulate control equipment; and
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: DAVID L BIMBER
DIVISION OF ENVIRONMENTAL PERMITS
6274 EAST AVON LIMA RD
AVON, NY 14414-9519

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

LIST OF CONDITIONS

DEC GENERAL CONDITIONS
General Provisions
Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department
Facility Level
Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

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

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;

b) failure by the permittee to comply with any terms or conditions of the permit;

c) exceeding the scope of the project as described in the permit application;

d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Condition 5: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(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

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

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

Authorized Activity By Standard Industrial Classification Code:
2869 - INDUSTRIAL ORGANIC CHEMICALS,NEC

Permit Effective Date: Permit Expiration Date:

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
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Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

1 6NYCRR 200.6: Acceptable Ambient Air Quality
2 6NYCRR 201-6.5(a)(7): Fees
3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
6 6NYCRR 201-6.5(e): Compliance Certification
7 6NYCRR 202-2.1: Compliance Certification
8 6NYCRR 202-2.5: Recordkeeping requirements
9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
10 6NYCRR 200.7: Maintenance of Equipment
11 6NYCRR 201-1.7: Recycling and Salvage
12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
18 6NYCRR 201-6.5(f)(6): Off Permit Changes
19 6NYCRR 202-1.1: Required Emissions Tests
20 6NYCRR 211.3: Visible Emissions Limited
21 40CFR 68: Accidental release provisions.
22 40CFR 82, Subpart F: Recycling and Emissions Reduction
23 6NYCRR 201-6: Emission Unit Definition
24 6NYCRR 201-6.5(f): Compliance Certification
25 6NYCRR 202-1.3: Acceptable procedures
26 6NYCRR 202-1.4: Separate emission test by the commissioner
27 6NYCRR 212.6(a): Compliance Certification
28 6NYCRR 212.6(a): Compliance Certification
29 6NYCRR 212.9(a): Compliance Certification
30 6NYCRR 225-1.2(a)(2): Compliance Certification
31 6NYCRR 229.1(a): Permit submission requirement
32 6NYCRR 229.4(a): Testing and monitoring requirements
33 40CFR 68.10(a), Subpart A: Applicability

Emission Unit Level

34 6NYCRR 201-6: Emission Point Definition By Emission Unit
35 6NYCRR 201-6: Process Definition By Emission Unit

EU=A-00001,Proc=A10
36 6NYCRR 212.9(b): Compliance Certification
37 6NYCRR 212.9(b): Compliance Certification
38 6NYCRR 212.9(b): Compliance Certification
39 6NYCRR 212.9(b): Compliance Certification

EU=A-00001,Proc=A11
40 6NYCRR 212.4(c): Compliance Certification
41 6NYCRR 212.9(b): Compliance Certification

EU=A-00001,Proc=A12
42 6NYCRR 212.9(b): Compliance Certification

EU=A-00002,EP=A0077

43 6NYCRR 212.9(b): Compliance Certification

EU=A-00002,EP=A0078

44 6NYCRR 212.9(b): Compliance Certification

EU=A-00002,EP=A0101

45 6NYCRR 212.4(c): Compliance Certification
46 6NYCRR 212.9(b): Compliance Certification

EU=A-00003
47 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
48 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard
49 6NYCRR 229.5(d): Compliance Certification

EU=A-00003,Proc=A30
50 6NYCRR 229.3(e)(2)(v): Compliance Certification

EU=A-00003,EP=A0041,Proc=A32
51 6NYCRR 229.3(g)(1)(i): Compliance Certification

EU=A-00004
52 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
53 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=A-00004,Proc=A40
54 6NYCRR 212.9(b): Compliance Certification

EU=A-00004,Proc=A42
55 6NYCRR 212.9(b): Compliance Certification

EU=A-00004,Proc=A43
56 6NYCRR 212.9(b): Compliance Certification

EU=A-00004,Proc=A44
57 6NYCRR 212.9(b): Compliance Certification

EU=A-00005
58 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
59 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=A-00005,Proc=A52
60 6NYCRR 212.9(b): Compliance Certification
61 6NYCRR 212.9(b): Compliance Certification
62 6NYCRR 212.9(b): Compliance Certification
63 6NYCRR 212.9(b): Compliance Certification

EU=A-00005,Proc=A53
64 6NYCRR 212.4(c): Compliance Certification
65 6NYCRR 212.9(b): Compliance Certification
66 6NYCRR 212.9(b): Compliance Certification
67 6NYCRR 212.9(b): Compliance Certification
68 6NYCRR 212.9(b): Compliance Certification
69 6NYCRR 212.9(b): Compliance Certification

EU=A-00005,Proc=A55
70 6NYCRR 212.9(b): Compliance Certification

EU=A-00006
71 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
72 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=A-00006,Proc=A62
73 6NYCRR 212.9(b): Compliance Certification

EU=A-00006,Proc=A63
74 6NYCRR 212.9(b): Compliance Certification

EU=A-00006,Proc=A64
75 6NYCRR 212.4(c): Compliance Certification

EU=A-00006,EP=A0042,Proc=A61
76 6NYCRR 212.9(b): Compliance Certification

EU=A-00007,Proc=A70
77 6NYCRR 212.4(c): Compliance Certification
78 6NYCRR 212.9(b): Compliance Certification
79 6NYCRR 212.9(b): Compliance Certification

EU=A-00008

80 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
81 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=A-00008,Proc=A81

82 6NYCRR 212.9(b): Compliance Certification
83 6NYCRR 212.9(b): Compliance Certification
84 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B10

85 6NYCRR 212.9(b): Compliance Certification
86 6NYCRR 212.9(b): Compliance Certification
87 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B12

88 6NYCRR 212.4(c): Compliance Certification
89 6NYCRR 212.9(b): Compliance Certification
90 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B14

91 6NYCRR 212.4(c): Compliance Certification
92 6NYCRR 212.9(b): Compliance Certification
93 6NYCRR 212.9(b): Compliance Certification
94 6NYCRR 212.9(b): Compliance Certification
95 6NYCRR 212.9(b): Compliance Certification
96 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B15

97 6NYCRR 212.4(c): Compliance Certification
98 6NYCRR 212.9(b): Compliance Certification
99 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B16

100 6NYCRR 212.4(c): Compliance Certification
101 6NYCRR 212.9(b): Compliance Certification
102 6NYCRR 212.9(b): Compliance Certification
103 6NYCRR 212.9(b): Compliance Certification
104 6NYCRR 212.9(b): Compliance Certification
105 6NYCRR 212.9(b): Compliance Certification

EU=B-00001,Proc=B17

106 6NYCRR 212.4(c): Compliance Certification

EU=B-00001,EP=B0004,Proc=B11

107 6NYCRR 212.4(c): Compliance Certification
108 6NYCRR 212.4(c): Compliance Certification

EU=B-00001,EP=B0080,Proc=B15

109 6NYCRR 212.4(c): Compliance Certification

EU=B-00001,EP=B0081,Proc=B11

110 6NYCRR 212.4(c): Compliance Certification

EU=B-00001,EP=B0140,Proc=B17
111 6NYCRR 212.4(c): Compliance Certification

EU=B-00002
112 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
113 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard
114 6NYCRR 229.5(d): Compliance Certification

EU=B-00002,Proc=B22
115 6NYCRR 229.3(g)(1)(i): Compliance Certification

EU=B-00003
116 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
117 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00003,Proc=B30
118 6NYCRR 212.9(b): Compliance Certification

EU=B-00003,Proc=B31
119 6NYCRR 212.9(b): Compliance Certification

EU=B-00003,Proc=B32
120 6NYCRR 212.9(b): Compliance Certification

EU=B-00003,Proc=B33
121 6NYCRR 212.4(c): Compliance Certification
122 6NYCRR 212.9(b): Compliance Certification
123 6NYCRR 212.9(b): Compliance Certification

EU=B-00003,Proc=B34
124 6NYCRR 212.9(b): Compliance Certification

EU=B-00003,Proc=B35
125 6NYCRR 212.9(b): Compliance Certification

EU=B-00004
126 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
127 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00004,Proc=B40
128 6NYCRR 212.4(c): Compliance Certification
129 6NYCRR 212.9(b): Compliance Certification
130 6NYCRR 212.9(b): Compliance Certification

EU=B-00004,Proc=B41

131 6NYCRR 212.9(b): Compliance Certification
132 6NYCRR 212.9(b): Compliance Certification
133 6NYCRR 212.9(b): Compliance Certification

EU=B-00004,Proc=B42
134 6NYCRR 212.4(c): Compliance Certification
135 6NYCRR 212.9(b): Compliance Certification
136 6NYCRR 212.9(b): Compliance Certification

EU=B-00004,Proc=B43
137 6NYCRR 212.9(b): Compliance Certification
138 6NYCRR 212.9(b): Compliance Certification
139 6NYCRR 212.9(b): Compliance Certification

EU=B-00005
140 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
141 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00005,Proc=B50
142 6NYCRR 212.4(c): Compliance Certification

EU=B-00005,Proc=B51
143 6NYCRR 212.4(c): Compliance Certification
144 6NYCRR 212.9(b): Compliance Certification
145 6NYCRR 212.9(b): Compliance Certification
146 6NYCRR 212.9(b): Compliance Certification

EU=B-00005,Proc=B53
147 6NYCRR 212.4(c): Compliance Certification
148 6NYCRR 212.9(b): Compliance Certification
149 6NYCRR 212.9(b): Compliance Certification
150 6NYCRR 212.9(b): Compliance Certification

EU=B-00005,Proc=B54
151 6NYCRR 212.4(c): Compliance Certification
152 6NYCRR 212.9(b): Compliance Certification
153 6NYCRR 212.9(b): Compliance Certification
154 6NYCRR 212.9(b): Compliance Certification

EU=B-00005,Proc=B56
155 6NYCRR 212.4(c): Compliance Certification

EU=B-00005,EP=B0054,Proc=B52
156 6NYCRR 212.9(b): Compliance Certification
157 6NYCRR 212.9(b): Compliance Certification

EU=B-00005,EP=B0067,Proc=B52
158 6NYCRR 212.9(b): Compliance Certification
159 6NYCRR 212.9(b): Compliance Certification

EU=B-00006

160 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
161 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00006,Proc=B61
162 6NYCRR 212.9(b): Compliance Certification

EU=B-00007
163 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
164 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00007,Proc=B70
165 6NYCRR 212.9(b): Compliance Certification

EU=B-00008
166 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
167 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=B-00008,Proc=B80
168 6NYCRR 212.9(b): Compliance Certification
169 6NYCRR 212.9(b): Compliance Certification
170 6NYCRR 212.9(b): Compliance Certification

EU=C-00002
171 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
172 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=C-00002,Proc=C20
173 6NYCRR 212.9(b): Compliance Certification
174 6NYCRR 212.9(b): Compliance Certification
175 6NYCRR 212.9(b): Compliance Certification

EU=C-00004
176 6NYCRR 212.5(a): Emissions from two or more devices through one emission point
177 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=C-00004,Proc=C40
178 6NYCRR 212.4(c): Compliance Certification
179 6NYCRR 212.9(b): Compliance Certification
180 6NYCRR 212.9(b): Compliance Certification

EU=D-00002,EP=D0003

181 6NYCRR 212.9(b): Compliance Certification

182 6NYCRR 212.9(b): Compliance Certification

EU=D-00004

183 6NYCRR 212.5(a): Emissions from two or more devices through one emission point

184 6NYCRR 212.5(c): Emissions from two or more devices through one stack - Concentration standard

EU=D-00004,Proc=D41

185 6NYCRR 212.9(b): Compliance Certification

EU=U-BOLRS

186 6NYCRR 225-1.8(a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

187 ECL 19-0301: Contaminant List

188 6NYCRR 201-1.4: Unavoidable noncompliance and violations

189 6NYCRR 211.2: Air pollution prohibited

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

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

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

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: **Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: **Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: **Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

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

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

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the

effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: **Permit Exclusion - ECL 19-0305**

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

Item M: **Federally Enforceable Requirements - 40 CFR 70.6(b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: **Acceptable Ambient Air Quality**
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 1.1:
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 2: **Fees**
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6.5(a)(7)

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: **Recordkeeping and reporting of compliance monitoring**
Effective for entire length of Permit

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

Item 3.1:
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 a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective for entire length of Permit

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

Item 4.1:
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective for entire length of Permit

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

Item 5.1:
The Compliance Certification activity will be performed for the Facility.

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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.

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for

deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) 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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:
The Compliance Certification activity will be performed for the Facility.

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) 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:

6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.5

Item 8.1:

(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 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 215

Item 9.1:
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.7

Item 10.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.7

Item 11.1:

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 the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.8

Item 12.1:
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 13: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:
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 this Subpart. 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 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 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 14.1:
The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 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 15: Standard Requirement - Provide Information
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6.5(a)(4)

Item 15.1:
The owner and/or operator 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. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6.5(a)(8)

Item 16.1:
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart 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 emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6.5(d)(5)

Item 17.1:
Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. 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 18: Off Permit Changes
Effective for entire length of Permit

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

Item 18.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-1.1

Item 19.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 211.3

Item 20.1:
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 21: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 68

Item 21.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in

quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 23: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 23.1:
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 manways, filter hoods, spot ventilation, weigh shed and other miscellaneous emission sources.

Building(s): A-AREA

Item 23.2:

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 23.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: A-00003
Emission Unit Description:
A-Area storage tanks regulated under NYCRR PART 229.

Building(s): A-AREAOST
A-AREAREF

Item 23.4:
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 23.5:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: A-00005
Emission Unit Description:
A-Area equipment which utilize scrubber systems as emission controls.

Building(s): A-AREA
A-AREATR2

Item 23.6:
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 23.7:
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 23.8:
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 23.9:
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 23.10:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: B-00002
Emission Unit Description:
B-Area process storage tanks that are regulated under 6 NYCRR PART 229.

Building(s): B-AREA
B-AREAOST

Item 23.11:
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 23.12:
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 23.13:
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 23.14:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: B-00006
Emission Unit Description:
B-Area distillation columns and associated equipment.

Building(s): B-AREA

Item 23.15:
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.

Building(s): B-AREA

Item 23.16:
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 multiple emission sources (scrubbers, storage tanks, distillation columns, and reactors) in the production of 2-Chloropyridine and 2,6-Dichloropyridine.

Building(s): B-AREA

Item 23.17:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: B-00009
Emission Unit Description:
B-Area Chlorine Scrubber System

Building(s): B-AREA

Item 23.18:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: C-00002
Emission Unit Description:
C-Area ventilation systems for reactors when charging or drumming out.

Building(s): C-AREA

Item 23.19:
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 23.20:
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 23.21:
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 23.22:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: D-00006
Emission Unit Description:
Solids handling system and associated emission control systems.

Building(s): D-AREA

Item 23.23:
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 No. 2 Fuel Oil backup.

Condition 24: Compliance Certification
Effective for entire length of Permit

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

Item 24.1:
The Compliance Certification activity will be performed for the Facility.

Item 24.2:

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 calender 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.

(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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Acceptable procedures
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-1.3

Item 25.1:
Emission testing, sampling, and analytical deteminations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 26: Separate emission test by the commissioner
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-1.4

Item 26.1:
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 27: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 27.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission points subject to this rule will be monitored (observed) at least once per day for visible emissions only while any attached process is in operation. All observations will be recorded in a format acceptable to

the Commissioner. The records will be retained on site for no less than five years and provided to authorized regulatory oversight staff on demand.

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

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 28.1:
The Compliance Certification activity will be performed for the Facility.

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The maintenance procedure applicable to this permit for 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 PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 22)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(a)

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Chlorine emitted from this Arch Chemicals facility has been determined to have an environmental rating of "A". All other compounds at the facility are considered "B" rated contaminants.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 30: Compliance Certification
Effective for entire length of Permit

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

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

Item 30.2:
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)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 31: Permit submission requirement
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.1(a)

Item 31.1:
Prior to construction or operation of a new or modified process, the source owner must notify the Department, as required by Part 201.

Condition 32: Testing and monitoring requirements
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.4(a)

Item 32.1:
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 33: Applicability
Effective for entire length of Permit

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

Item 33.1:
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.

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

Condition 34: Emission Point Definition By Emission Unit
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 34.1:
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.): 4781.15 NYTME (km.): 283.298 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
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 34.2:
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 34.3:

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

Emission Unit: A-00003

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

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: 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 34.4:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: A-00004

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

Item 34.5:
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.): 30 Diameter (in.): 3
NYTMN (km.): 4781.121 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: A0112
Height (ft.): 18 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREAOST

Emission Point: A0119
Height (ft.): 45 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: A-AREATR2

Emission Point: A0127
Height (ft.): Length (in.): Width (in.):

Emission Point: A0128
Height (ft.): Length (in.): Width (in.):

Item 34.6:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: A-00006

Emission Point: A0042
Height (ft.): 35 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

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 34.7:
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 34.8:
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 34.9:
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
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

Emission Point: B0140
Height (ft.): 30 Diameter (in.): 16
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0147
Height (ft.): Length (in.): Width (in.):
Building: B-AREA

Item 34.10:
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

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

Emission Point: B0143
Height (ft.): Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129

Item 34.11:
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

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 34.12:
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 34.13:
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
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 Building: B-AREA

Emission Point: B0067
Height (ft.): 35 Diameter (in.): 2
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREATR1

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 34.14:
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

Emission Point: B0144
Height (ft.): Diameter (in.): 3
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Emission Point: B0146
Height (ft.): Length (in.): Width (in.):
NYTMN (km.): 4781.221 NYTME (km.): 283.129 Building: B-AREA

Item 34.15:
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 34.16:
The following emission points are included in this permit for the cited Emission Unit:

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 34.17:
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 34.18:
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

Emission Point: C0012
Height (ft.): Diameter (in.): 3
Building: C-AREA

Emission Point: C0013
Height (ft.): Diameter (in.): 4

Item 34.19:
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 34.20:
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 34.21:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: D-00006

Emission Point: D0021
Height (ft.): 14 Diameter (in.): 8
NYTMN (km.): 4780.321 NYTME (km.): 283.129 Building: D-AREA

Condition 35: Process Definition By Emission Unit
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 35.1:
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: A1003 - Control
Control Type: SODIUM-ALKALI SCRUBBING

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

Emission Source/Control: A1004 - Process
Design Capacity: 120 gallons

Item 35.2:
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 AND A0122). Particulate controls are provided 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 Acid, etc.). Fugitive Emissions Only.

Emission Source/Control: A1103 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: A1105 - Control
Control Type: SINGLE CYCLONE

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

Item 35.3:
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:

Exhaust Ventilation System (Emission Point A0014) for the Hydrazine Solution Tote Area.

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

Item 35.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-00002
Process: A21 Source Classification Code: 3-01-800-01
Process Description:
A-area solids drying systems (Emission Points A0077, A0078, A0101 AND A0118). Emission controls are provided for Emission Points A0077 (EC-A2102 and EC-A2103) and A0078 (EC-A2105, EC-A2106, and EC-A2107), 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: A2101 - Process

Emission Source/Control: A2104 - Process

Emission Source/Control: A2108 - Process

Emission Source/Control: A2109 - Process

Emission Source/Control: A2110 - Process

Emission Source/Control: A2112 - Process

Emission Source/Control: A2113 - Process

Emission Source/Control: A2114 - Process

Emission Source/Control: A2115 - Process

Item 35.5:

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 that utilize conservation vents as control equipment as required under 6 NYCRR PART 229. Emission Points associated with these storage tanks include A0062 (ES-A3009 and EC-A3010) and A0113 (ES-A3017).

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

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

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

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

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

Item 35.6:
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 (10,000 gal. to 20,000 gal.) using vent condesors as alternative controls as requlated under 6 NYCRR PART 229. Emission Point associated with these storage tanks is A0059 (ES-A3201 and EC-A3202).

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

Emission Source/Control: A3202 - Process

Item 35.7:
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 storage tanks are insignificant since Sodium hydroxide does not exert any significant vapor pressure. Emission points associated with these storage

tanks include A0068 (ES-A4001), A0069 (ES-A4002), AND A0070 (ES-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 35.8:
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 storage tanks are insignificant, since Hydrogen Peroxide does not exert any significant vapor pressure. Emission Points associated with these storage tanks include A0089 (ES-A4201) and A0091 (ES-A4202).

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

Emission Source/Control: A4202 - Process
Design Capacity: 150 gallons

Item 35.9:
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 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 (ES-A4301 and EC-4302).

Emission Source/Control: A4302 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A4301 - Process
Design Capacity: 10,000 gallons

Item 35.10:
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 the Hydrogen Chloride tank is A0110 (ES-A4401).

Emission Source/Control: A4402 - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: A4401 - Process
Design Capacity: 10,000 gallons

Item 35.11:
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:
Production and Recovery of Tungstic Acid utilizing the caustic scrubber system V-PH-60 in series with V-PH-04. The emission point associated with the caustic scrubber system is A0007.

Emission Source/Control: A5202 - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: A5209 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: A5201 - Process

Emission Source/Control: A5203 - Process

Emission Source/Control: A5205 - Process

Emission Source/Control: A5207 - Process

Item 35.12:
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 of IPBC utilizing the caustic scrubber system V-A-16A. The emission point associated with the 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

Emission Source/Control: A5304 - Process

Item 35.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-00005
Process: A55 Source Classification Code: 3-01-840-01
Process Description:
Catalytic hydrazine reduction process to convert 2-chloropyridine byproducts to usable 2-chloropyridine and pyridine. The emission point associated with the hydrazine reduction process is A0001.

Emission Source/Control: A5503 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: A5504 - Control
Control Type: WET SCRUBBER

Emission Source/Control: A5501 - Process

Emission Source/Control: A5502 - Process

Item 35.14:
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 Omacide blends IPBC 20, IPBC 30, IPBC 30DPG, AND IPBC 40 in reactor R-A-15 (EP-A0042 AND ES-A6102).

Emission Source/Control: A6102 - Process

Item 35.15:
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 R-A-20 (EP-A0098 AND ES-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 through a refrigerated vent condensor (EC-A6202).

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

Emission Source/Control: A6201 - Process

Item 35.16:
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, IPBC 30DPG, AND IPBC 40 as well as Densil DG45 in reactor R-A-18 (EP-A0111 AND ES-A6301).

Emission Source/Control: A6301 - Process

Item 35.17:
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 in reactor R-A-03 (EP-A0117 AND ES-A6401). A slurry of calcium carbonate sludge (containing calcium tungstate) and water is prepared in this reactor.

Emission Source/Control: A6401 - Process

Emission Source/Control: A6402 - Process

Item 35.18:
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: utilized to separate IPBC from a slurry of IPBC and Methanol (EP-A0022 and ES-A7001 through ES-A7004)

Emission Source/Control: A7005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: A7001 - Process

Emission Source/Control: A7002 - Process

Emission Source/Control: A7003 - Process

Emission Source/Control: A7004 - Process

Item 35.19:
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:
Methanol Recovery: Methanol is distilled for recovery using R-A-14. Vapors are vented through a conservation vent. Recovered methanol is transferred to a receiver tank vented to a refrigerated condenser. This system may also be used for recovery of other solvents.

Emission Source/Control: A8102 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: A8101 - Process

Item 35.20:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-00008
Process: A82 Source Classification Code: 3-01-125-35
Process Description:
Production of PHMB-S in reactor R-A-06 (EP-A0043, ES-A8201)

Emission Source/Control: A8201 - Process

Item 35.21:
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:
Exhaust ventilation systems (EP's 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 VOC's and miscellaneous inorganics. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1001 - Process

Emission Source/Control: B1002 - Process

Emission Source/Control: B1003 - Process

Item 35.22:
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 (EP-B0004 and B0081) for reactors, 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 EP-B0081 (EC-B1103).

Emission Source/Control: B1103 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: B1101 - Process

Emission Source/Control: B1102 - Process

Item 35.23:
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 (EP-B0080) for drumout stations in B-Area, which utilize elephant trunks and spot ventilation. The ventilation system is for VOC's, particulates, and miscellaneous inorganics. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1201 - Process

Item 35.24:
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 (EP-B0082) for reactor manways and other miscellaneous emission sources in Train II, which utilize elephant trunks and spot ventilation. The ventilation system is for VOC's, miscellaneous inorganics, and particulates. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1401 - Process

Item 35.25:
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 (EP-B0084) for reactor manways and other miscellaneous emission sources in the U/2 process, which utilize elephant trunks and spot ventilation. The ventilation system is for VOC's and particulates. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1503 - Control
Control Type: FABRIC FILTER

Emission Source/Control: B1501 - Process

Emission Source/Control: B1502 - Process

Item 35.26:
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 (EP-B0008) for reactor manways and other miscellaneous emission sources in the Oxidation building, which utilize elephant trunks and spot ventilation. The ventilation system is for VOC's, miscellaneous inorganics, and particulates. FUGITIVE EMISSIONS ONLY.

Emission Source/Control: B1601 - Process

Item 35.27:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00001
Process: B17 Source Classification Code: 3-99-999-94
Process Description: Ventilation from U/2 centrifuge room (EP-B0140).

Emission Source/Control: B1704 - Control
Control Type: FABRIC FILTER

Emission Source/Control: B1705 - Control
Control Type: FABRIC FILTER

Emission Source/Control: B1701 - Process

Emission Source/Control: B1702 - Process

Emission Source/Control: B1703 - Process

Emission Source/Control: B1706 - Process

Emission Source/Control: B1707 - Process

Item 35.28:
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
Process Description:
B-area Organic storage tanks that are less than 10,000 gal. in capacity and that utilize conservation vents as control equipment as required under 6 NYCRR PART 229. Emission Points associated with these storage tanks

include B0010 (ES-B2201, ES-B2202, EC-B2203, and EC-B2204).

Emission Source/Control: B2202 - Control
Control Type: CONSERVATION VENT

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

Emission Source/Control: B2201 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: B2203 - Process
Design Capacity: 10,000 gallons

Item 35.29:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00002
Process: B25 Source Classification Code: 3-01-830-01
Process Description:
B-Area organic storage tanks using scrubber S-CL-11 as alternative controls as regulated under 6 NYCRR PART 229. Emission points associated with these storage tanks are B0021 (ES B2501) and B0071 (ES B2503).

Emission Source/Control: B2501 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: B2503 - Process
Design Capacity: 5,000 gallons

Item 35.30:
This permit authorizes the following regulated processes for the cited Emission Unit:

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 the storage tanks are insignificant since sodium hydroxide does not exert any significant vapor pressure. Emission points associated with these storage tanks are B0057 (ES-B3001) and B0068 (ES-B3002).

Emission Source/Control: B3001 - Process
Design Capacity: 1,000 gallons

Item 35.31:
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 the storage tanks are insignificant since Sodium Omadine does not exert any significant vapor pressure. Emission points associated with the storage tanks are B0007 (ES-B3101) and B0064 (ES-B3102).

Emission Source/Control: B3101 - Process

Emission Source/Control: B3102 - Process
Design Capacity: 10,000 gallons

Item 35.32:
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:
B-Area storage tanks for Sodium Sulfahydrate. Emissions from the storage tank are insignificant since Sodium Sulfahydrate does not exert any significant vapor pressure. The emission point associated with the storage tank is B0044 (ES-B3201).

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

Item 35.33:
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:
B-Area 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 the storage tanks are B0046 (ES-B3301), B0047 (ES-B3302), B0048 (ES-B3303), and B0076 (ES-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

Item 35.34:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00003

Process: B34 Source Classification Code: 3-01-870-98
Process Description:
B-Area storage tanks for Acetic Acid. Emissions from the storage tanks are insignificant due to low vapor pressure and quantity of acetic acid transferred through storage tanks. Emission points associated with the storage tanks are B0051 (ES-B3401) and B0079 (ES-B3402).

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

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

Item 35.35:
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:
B-Area storage tanks for Hydrogen Peroxide. Emissions from the storage tanks are insignificant since Hydrogen Peroxide does not exert any significant vapor pressure. The emission point associated with the storage tank is B0052 (ES-B3501).

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

Item 35.36:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00004
Process: B40 Source Classification Code: 3-01-999-99
Process Description:
R-B-03 in utilized in the production of plantstream NaPT. The off-gas from R-B-03 (ES-B4001) is passed through T-B-29, caustic scrubber column, prior to venting to the atmosphere (EP-B0002).

Emission Source/Control: B4002 - Control
Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: B4001 - Process

Item 35.37:
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 (ES-B4101) is utilized in the production of 2-Chloropyridine N-Oxide. The off-gas from R-B-09 and

containment tank, V-B-09E (ES-B4103) is passed through a vent condenser (EC-B4102) and a caustic scrubber (EC-B4104) prior to venting to the atmosphere (EP-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 35.38:
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 (ES-B4201) is utilized in the production of Sodium Omadine. The off-gas from R-B-93 is passed through two caustic scrubber columns, T-B-93A (EC-B4203) and T-B-93B (EC-B4204), prior to venting to the atmosphere (EP-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 35.39:
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 (ES-B4301) is utilized in the production of 2-Chloropyridine N-Oxide. The off-gas from R-B-91 is passed through a vent condenser (EC-B4302) and a caustic scrubber (EC-B4304) prior to venting to the atmosphere (EP-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 35.40:
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 ES B5001) is utilized as a catch all tank for various processes such as GentiFol and Wayhib S.

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

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

Emission Source/Control: B5001 - Process

Item 35.41:
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 35.42:
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 (EP-B0054 and ES-B5201) Train 2 and R-B-04 (EP-B0067 and ES-B5204) Train 1 are used for neutralization of crude 2-Chloropyridine N-oxide solution produced in R-B-91 (Train 2) and R-B-09 (Train 1).

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: B5207 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B5201 - Process

Emission Source/Control: B5202 - Process

Emission Source/Control: B5204 - Process

Emission Source/Control: B5205 - Process

Item 35.43:
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 (EP-B0063 and ES-B5301) is utilized in the production of Sodium Omadine.

Emission Source/Control: B5301 - Process

Item 35.44:
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 (EP-B0075 and ES-B5401) is utilized as a mixing tank for the formulation of 40% NaPT, the production of Triadine 10 and purified Sodium Omadine, and the holding of plantstream NaPT.

Emission Source/Control: B5401 - Process

Item 35.45:
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:
U2 Production System (EP-B0085), which utilize various processing vessels (ES-5601 through ES-5604)

Emission Source/Control: B5601 - Process

Emission Source/Control: B5602 - Process

Emission Source/Control: B5603 - Process

Emission Source/Control: B5604 - Process

Item 35.46:
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 system, T-B-24 (EP-B0017 and ES-B6001), is utilized for the recovery of 2-Chloropyridine, Pyridine, and 2,6-Dichloropyridine.

Emission Source/Control: B6102 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B6101 - Process

Item 35.47:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00006
Process: B63 Source Classification Code: 3-06-006-02
Process Description:
Vacuum distillation processes for 2-Chloropyridine recovery involving columns T-B-155 and T-B-156.

Emission Source/Control: B6304 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: B6301 - Process

Emission Source/Control: B6302 - Process

Emission Source/Control: B6303 - Process

Item 35.48:
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 (EP-B0066) receives vents from R-B-10 (ES-B7001) and V-B-10 (ES-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

Item 35.49:
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 (EP-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 they are listed as follows:

EMISSION SOURCE B8003 - V-CL-100 quench tank (note: vents to S-CL-01, which vents to S-CL-11)
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) aqeous 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 pydridine 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: system provides vacuum for ES-B8033: R-B-06,
B8034: R-B-08,
B8035 & B8036: TB-23&25 Pyride columns, 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
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 following:

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: B8052 - Control
Control Type: CONSERVATION VENT

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: 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

Emission Source/Control: B8034 - Process

Emission Source/Control: B8053 - Process

Emission Source/Control: B8054 - Process

Item 35.50:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: B-00009
Process: B90 Source Classification Code: 3-01-999-99
Process Description:
Chlorine Scrubber System V-C-17 utilized to scrub chlorine blowdown from tank cars and vaporizer (Emission Point B0148)

Emission Source/Control: B9004 - Control
Control Type: WET SCRUBBER

Emission Source/Control: B9005 - Control
Control Type: WET SCRUBBER

Emission Source/Control: B9001 - Process

Emission Source/Control: B9002 - Process

Emission Source/Control: B9003 - Process

Item 35.51:
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 (EP C0003) for C-Area reactors when charging or drumming out reactors.

Emission Source/Control: C2001 - Process

Item 35.52:
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 Gel Base in reactor R-C-101 (EP C0011 and ES C4001) which does not need emission controls.

Emission Source/Control: C4001 - Process

Item 35.53:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: C-00004
Process: C41 Source Classification Code: 3-01-999-99
Process Description:
C-Area reactors for production of 40% Sodium Omadine not requiring emission controls.

Emission Source/Control: C4101 - Process
Design Capacity: 300 gallons

Emission Source/Control: C4102 - Process
Design Capacity: 500 gallons

Emission Source/Control: C4103 - Process

Emission Source/Control: C4104 - Process

Emission Source/Control: C4105 - Process
Design Capacity: 2,000 gallons

Emission Source/Control: C4106 - Process
Design Capacity: 2,000 gallons

Item 35.54:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: D-00002
Process: D20 Source Classification Code: 3-01-800-01
Process Description:
Exhaust ventilation system (EP-D0003) from D-area miscellaneous emission sources. The ventilation systems are for VOCs and particulates.

Emission Source/Control: D2001 - Process

Item 35.55:
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-03 (EP D0010) is utilized to strip organics from organic containing wastewater before the wastewater is fed to an activated carbon system.

Emission Source/Control: D4102 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: D4101 - Process

Item 35.56:
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:
Equipment utilized to grind material to satisfy product size requirement and ventilation air is passed through particulate removal equipment.

Emission Source/Control: D6104 - Control
Control Type: FABRIC FILTER

Emission Source/Control: D6101 - Process

Item 35.57:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-BOLRS
Process: OIL Source Classification Code: 1-02-005-02
Process Description:
Two 22.150 MM btu/hr boilers firing natural gas with No. 2 Fuel Oil backup.

Emission Source/Control: BLRS2 - Combustion
Design Capacity: 22.15 million Btu per hour

Condition 36: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 36.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: A10

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 36.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 37.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: A10

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

Item 37.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 38.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: A10

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 38.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 39.1:
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 39.2:
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 COMPOUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 40.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: A11

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

Item 40.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 41.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: A11

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

Item 41.2:

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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 42.1:
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 42.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 43.1:
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 43.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 44.1:
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 44.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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

Condition 45: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 45.1:
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 45.2:
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 DISCRETION OF THE DEPARTMENT.

Upper Permit Limit: .05 grains per dscf
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 46.1:
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 46.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 47.1:
This Condition applies to Emission Unit: A-00003

Item 47.2:
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 48: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 48.1:
This Condition applies to Emission Unit: A-00003

Item 48.2:
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 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.5(d)

Item 49.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00003

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

Item 49.2:
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 50: Compliance Certification
Effective for entire length of Permit

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

Item 50.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00003
Process: A30

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

Item 50.2:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective for entire length of Permit

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

Item 51.1:
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 51.2:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 52.1:
This Condition applies to Emission Unit: A-00004

Item 52.2:
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 53: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 53.1:
This Condition applies to Emission Unit: A-00004

Item 53.2:
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 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 54.1:
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 54.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 55.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00004
Process: A42

Regulated Contaminant(s):
CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 55.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 56.1:
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 56.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 57.1:
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 57.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 58.1:
This Condition applies to Emission Unit: A-00005

Item 58.2:
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 59: Emissions from two or more devices through one stack - Concentration standard

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 59.1:
This Condition applies to Emission Unit: A-00005

Item 59.2:
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 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 60.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A52

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

Item 60.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Scrubbing liquid is sampled to determine pH and sodium hydroxide is added as needed. Maintian records necessary to perform annual emissions and discharge reporting.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: PH
Lower Permit Limit: 10 pH (STANDARD) units
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 61.1:
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 61.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Scrubbing liquid is sampled to determine pH and sodium hydroxide is added as needed. Maintian records necessary to perform annual emissions and discharge reporting.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOLUTION
Parameter Monitored: PH
Lower Permit Limit: 10 pH (STANDARD) units
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 62.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A52

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

Item 62.2:
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 PERMIT MONITORING
DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 63.1:
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 63.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 64.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A53

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

Item 64.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 65.1:
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 65.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 66.1:
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 66.2:
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. 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 67.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A53

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

Item 67.2:

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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 68.1:
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 68.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 69.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A53

Regulated Contaminant(s):
CAS No: 007553-56-2 IODINE

Item 69.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 70.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00005
Process: A55

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 70.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Sample and analyze R-A-21 scrubber liquid to determine pH. Maintain records to demonstrate compliance.

Process Material: WATER
Parameter Monitored: PH
Upper Permit Limit: 7 pH (STANDARD) units
Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 71.1:
This Condition applies to Emission Unit: A-00006

Item 71.2:
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 72: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 72.1:
This Condition applies to Emission Unit: A-00006

Item 72.2:
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 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 73.1:
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 73.2:

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 EMISSIONS ARE LESS THAN 1.0 LB/HR. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 74.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00006
Process: A63

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

Item 74.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 75.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00006
Process: A64

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

Item 75.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 76.1:
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 76.2:
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 77.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00007
Process: A70

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

Item 77.2:
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
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 78: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 78.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00007
Process: A70

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

Item 78.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 79.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00007
Process: A70

Regulated Contaminant(s):
CAS No: 055406-53-6
CARBAMIC ACID, BUTYL-,3-IODO-2-PROPYNYLESTER

Item 79.2:
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. KEEP RECORDS NECESSARY TO PERFORM ANNUAL EMISSIONS AND DISCHARGE REPORTING.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 80: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 80.1:
This Condition applies to Emission Unit: A-00008

Item 80.2:
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 81: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 81.1:
This Condition applies to Emission Unit: A-00008

Item 81.2:
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 82: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 82.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00008
Process: A81

Regulated Contaminant(s):
CAS No: 000067-56-1 METHYL ALCOHOL

Item 82.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Operation of refrigerated condenser on vent line from R-A-14distillation system. Vent condenser coolant discharge temperature is recorded once per day . 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: A-00008
Process: A81

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

Item 83.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00008
Process: A81

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

Item 84.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Operation of refrigerated condenser on vent line from R-A-14distillation system. Vent condenser coolant discharge temperature is recorded once per day . 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 85.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B10

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

Item 85.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 86: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 86.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B10

Regulated Contaminant(s):
CAS No: 003811-73-2 1-OXIDE,2-PYRIDINETHIOL SODIUM SALT

Item 86.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 87.1:
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 87.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 88: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 88.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B12

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

Item 88.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 89: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 89.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 89.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 90: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 90.1:
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 90.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 91: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 91.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B14

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

Item 91.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 92: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 92.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B14

Regulated Contaminant(s):
CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 92.2:
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 PERMIT MONITORING

DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 93: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 93.1:
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 93.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 94: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 94.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B14

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

Item 94.2:
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 COMPLETED UPON REQUEST OF THE DEPARTMENT.

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

Condition 95: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 95.1:
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 95.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 96: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 96.1:
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 96.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 97: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 97.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B15

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

Item 97.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 98: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B15

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

Item 98.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 99: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 99.1:
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 99.2:
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 COMPOUUND, IF FUGITIVE EMISSIONS ARE MAINTAINED AT A LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

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

Condition 100: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 100.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B16

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

Item 100.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 101: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 101.1:
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 101.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 102: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 102.1:
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 102.2:
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 LEVEL LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

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

Condition 103: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 103.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B16

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

Item 103.2:

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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 104: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 104.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B16

Regulated Contaminant(s):
CAS No: 007783-06-4 HYDROGEN SULFIDE

Item 104.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 105: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 105.1:
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 105.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 106: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 106.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001
Process: B17

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

Item 106.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Minor emissions of entrained particulate matter from production area exhaust. Testing will be done upon request ot the Department.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: 40 CFR 60 App A Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 107.1:
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 107.2:
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: 0.1 inches of water
Upper Permit Limit: 6 inches of water
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 108: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 108.1:
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 108.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 109: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 109.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001 Emission Point: B0080
Process: B15

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

Item 109.2:
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: 0.1 inches of water
Upper Permit Limit: 6 inches of water
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 110: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 110.1:
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 110.2:
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: 0.1 inches of water
Upper Permit Limit: 6 inches of water
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 111: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 111.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00001 Emission Point: B0140
Process: B17

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

Item 111.2:
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: 0.1 inches of water
Upper Permit Limit: 6 inches of water
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 112: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 112.1:
This Condition applies to Emission Unit: B-00002

Item 112.2:
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 113: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 113.1:
This Condition applies to Emission Unit: B-00002

Item 113.2:
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 114: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 229.5(d)

Item 114.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00002

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

Item 114.2:
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 115: Compliance Certification
Effective for entire length of Permit

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

Item 115.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00002
Process: B22

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

Item 115.2:
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: 90 degrees Fahrenheit

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 116: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 116.1:
This Condition applies to Emission Unit: B-00003

Item 116.2:
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 117: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 117.1:
This Condition applies to Emission Unit: B-00003

Item 117.2:
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 118: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 118.1:
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 118.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 119: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 119.1:
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 119.2:
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 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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 120: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 120.1:
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 120.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 121: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 121.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00003
Process: B33

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

Item 121.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 122: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 122.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00003
Process: B33

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

Item 122.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 123: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 123.1:
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 123.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 124: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 124.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00003
Process: B34

Regulated Contaminant(s):
CAS No: 000064-19-7 ACETIC ACID

Item 124.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 125: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 125.1:
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 125.2:

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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 126: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 126.1:
This Condition applies to Emission Unit: B-00004

Item 126.2:
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 127: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 127.1:
This Condition applies to Emission Unit: B-00004

Item 127.2:
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 128: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 128.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B40

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

Item 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: 0.05 grains per dscf
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 129: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 129.1:
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 129.2:
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 & 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 130: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 130.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B40

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

Item 130.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 131: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 131.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B41

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 131.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Scrubbing liquid is sampled to determine concentration and sodium hydroxide is added as needed. Maintian 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: 0.2 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 132: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 132.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B41

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

Item 132.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 133: Compliance Certification

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 133.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B41

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 133.2:
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 circulating flow of liquid. Presence of circulating flow will be logged daily and kept on record for five years.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 3 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 134: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 134.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B42

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

Item 134.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 135: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 135.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B42

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

Item 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 IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

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

Condition 136: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 136.1:
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 136.2:
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 HYROXIDE 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 137: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 137.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B43

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 137.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Scrubbing liquid is sampled to determine concentration and sodium hydroxide is added as needed. Maintian 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: 0.2 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED

VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 138: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 138.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B43

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 138.2:
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 circulating flow
of liquid. Presence of circulating flow will be logged
daily and kept on record for five years.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 3 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 139: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 139.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00004
Process: B43

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

Item 139.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 140: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 140.1:
This Condition applies to Emission Unit: B-00005

Item 140.2:
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 141: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 141.1:
This Condition applies to Emission Unit: B-00005

Item 141.2:
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 142: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 142.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B50

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

Condition 143: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 143.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B51

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

Item 143.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 144: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 144.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B51

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

Item 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 IS LESS THAN 1.0 LB/HR. RETAIN REQUIRED RECORDS.

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

Condition 145: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 145.1:
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 145.2:
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. RETAIN REQUIRED RECORDS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 146: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 146.1:
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 146.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 147: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 147.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B53

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 147.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 148: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 148.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B53

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

Item 148.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 149: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 149.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B53

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

Item 149.2:
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. MAINTAIN REQUIRED RECORDS. TESTING TO BE DONE UPON REQUEST OF THE DEPARTMENT.

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

Condition 150: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 150.1:
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 150.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 151: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 151.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B54

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

Item 151.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 152: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 152.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B54

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

Item 152.2:

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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 153: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 153.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B54

Regulated Contaminant(s):
CAS No: 007722-84-1 HYDROGEN PEROXIDE

Item 153.2:
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. RETAIN REQUIRED RECORDS.

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

Condition 154: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 154.1:
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 154.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 155: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 155.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005
Process: B56

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

Item 155.2:
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 PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 156: Compliance Certification

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 156.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005 Emission Point: B0054
Process: B52

Regulated Contaminant(s):
CAS No: 000109-09-1 2-CHLOROPYRIDINE

Item 156.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Record temperature of coolant discharge on vent line condenser once per day. 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 157: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 157.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005 Emission Point: B0054
Process: B52

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

Item 157.2:
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 158: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 158.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00005 Emission Point: B0067
Process: B52

Regulated Contaminant(s):
CAS No: 000109-09-1 2-CHLOROPYRIDINE

Item 158.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Record temperature of coolant discharge on vent line condenser once per day. 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 159: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 159.1:
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 159.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
OPERATE REFIGERATED 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
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 160: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 160.1:
This Condition applies to Emission Unit: B-00006

Item 160.2:
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 161: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 161.1:
This Condition applies to Emission Unit: B-00006

Item 161.2:
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 162: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 162.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00006
Process: B61

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

Item 162.2:
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: 38 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 163: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 163.1:
This Condition applies to Emission Unit: B-00007

Item 163.2:
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 164: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 164.1:
This Condition applies to Emission Unit: B-00007

Item 164.2:
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 165: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 165.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00007
Process: B70

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

Item 165.2:
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: 90 degrees Fahrenheit
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 166: Emissions from two or more devices through one emission point

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 166.1:
This Condition applies to Emission Unit: B-00008

Item 166.2:
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 167: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 167.1:
This Condition applies to Emission Unit: B-00008

Item 167.2:
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 168: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 168.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00008
Process: B80

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

Item 168.2:
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 circulating flow of liquid greater than zero. Presence of circulating flow

will be logged daily and kept on record for five years.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 0.1 gallons per minute
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 169: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 169.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00008
Process: B80

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

Item 169.2:
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 170: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 170.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-00008

Process: B80

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

Item 170.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Scrubbing liquid must be analyzed daily when process is in operation to determing pyridine concentration. Continuous flow of scrubber liquid must be verified and logged daily when process in in operation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: VOC's
Parameter Monitored: PYRIDINE
Upper Permit Limit: 10 percent by weight
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 171: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 171.1:
This Condition applies to Emission Unit: C-00002

Item 171.2:
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 172: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 172.1:
This Condition applies to Emission Unit: C-00002

Item 172.2:
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 173: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 173.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00002
Process: C20

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

Item 173.2:
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 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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 174: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 174.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00002
Process: C20

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

Item 174.2:
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 LESSTHAN 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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 175: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 175.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00002
Process: C20

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 175.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 176: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 176.1:
This Condition applies to Emission Unit: C-00004

Item 176.2:
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 177: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 177.1:
This Condition applies to Emission Unit: C-00004

Item 177.2:
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 178: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 178.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00004
Process: C40

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

Item 178.2:
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 PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 179: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 179.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00004
Process: C40

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

Item 179.2:
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
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 180: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 180.1:
The Compliance Certification activity will be performed for:

Emission Unit: C-00004
Process: C40

Regulated Contaminant(s):
CAS No: 008017-16-1 POLYPHOSPHORIC ACIDS

Item 180.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 181: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 181.1:
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 181.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 182: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 182.1:
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 182.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 183: Emissions from two or more devices through one emission point
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(a)

Item 183.1:
This Condition applies to Emission Unit: D-00004

Item 183.2:
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 184: Emissions from two or more devices through one stack - Concentration standard
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.5(c)

Item 184.1:
This Condition applies to Emission Unit: D-00004

Item 184.2:
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 185: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.9(b)

Item 185.1:
The Compliance Certification activity will be performed for:

Emission Unit: D-00004
Process: D41

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

Item 185.2:
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 PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 186: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 225-1.8(a)

Item 186.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-BOLRS

Item 186.2:
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)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 187: Contaminant List
Effective for entire length of Permit

Applicable State Requirement:ECL 19-0301

Item 187.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000064-19-7
Name: ACETIC ACID

CAS No: 000067-56-1

Name: METHYL ALCOHOL

CAS No: 000079-21-0
Name: ETHANEPEROXOIC ACID (METHYL ESTER)

CAS No: 000109-09-1
Name: 2-CHLOROPYRIDINE

CAS No: 000111-36-4
Name: BUTANE,1-ISOCYANATO-

CAS No: 000594-42-3
Name: METHANESULFENYL CHLORIDE, TRICHLORO- CCL4S

CAS No: 001310-73-2
Name: SODIUM HYDROXIDE

CAS No: 003811-73-2
Name: 1-OXIDE,2-PYRIDINETHIOL SODIUM SALT

CAS No: 007553-56-2
Name: IODINE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 007664-38-2
Name: PHOSPHORIC ACID

CAS No: 007664-41-7
Name: AMMONIA

CAS No: 007681-52-9
Name: HYPOCHLOROUS ACID, SODIUM SALT

CAS No: 007722-84-1
Name: HYDROGEN PEROXIDE

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

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 007783-06-4
Name: HYDROGEN SULFIDE

CAS No: 008017-16-1
Name: POLYPHOSPHORIC ACIDS

CAS No: 016721-80-5
Name: SODIUM HYDROSULFIDE

CAS No: 055406-53-6
Name: CARBAMIC ACID, BUTYL-,3-IODO-2-PROPYNYLESTER

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

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

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

Condition 188: Unavoidable noncompliance and violations
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 201-1.4

Item 188.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration

of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 189: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 211.2

Item 189.1:
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.