



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-3814-00016/00254
Effective Date: 04/10/2017 Expiration Date: 04/09/2027

Permit Issued To: AMRI RENSSSELAER INC
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Facility: AMRI RENSSSELAER
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Contact: DAVID ORTON
AMRI
33 Riverside Ave
Rensselaer, NY 12144
(518) 433-7773

Description:
Consolidation of two (2) Air Title V Permits into a single Air State facility permit, as the facility will cap out of all major source requirements.

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: NANCY M BAKER
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the 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 4 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 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 the expiration of permits for Title V and 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: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority 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 4 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: AMRI RENSSLAER INC
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Facility: AMRI RENSSLAER
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Authorized Activity By Standard Industrial Classification Code:
2834 - PHARMACEUTICAL PREPARATIONS
2835 - DIAGNOSTIC SUBSTANCES

Permit Effective Date: 04/10/2017

Permit Expiration Date: 04/09/2027



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 201-7.1: Facility Permissible Emissions
- *2 6 NYCRR 201-7.1: Capping Monitoring Condition
- *3 6 NYCRR 201-7.1: Capping Monitoring Condition
- *4 6 NYCRR 201-7.1: Capping Monitoring Condition
- *5 6 NYCRR 201-7.1: Capping Monitoring Condition
- *6 6 NYCRR 201-7.1: Capping Monitoring Condition
- *7 6 NYCRR 201-7.1: Capping Monitoring Condition
- 8 6 NYCRR Subpart 202-1: Compliance Demonstration
- 9 6 NYCRR 211.1: Air pollution prohibited
- 10 6 NYCRR 225-1.2: Compliance Demonstration
- 11 6 NYCRR 227-1.3: Compliance Demonstration
- 12 6 NYCRR Part 233: Compliance Demonstration
- 13 6 NYCRR Part 233: Compliance Demonstration
- 14 6 NYCRR Part 233: Compliance Demonstration
- 15 6 NYCRR Part 233: Compliance Demonstration
- 16 6 NYCRR Part 233: Compliance Demonstration
- 17 6 NYCRR Part 233: Compliance Demonstration
- 18 6 NYCRR Part 233: Compliance Demonstration
- 19 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 20 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 21 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 22 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 23 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 24 6 NYCRR 233.3 (b) (2): Compliance Demonstration
- 25 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 26 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period
- 27 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 28 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Demonstration
- 29 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements
- 30 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 31 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Demonstration
- 32 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 33 40CFR 63, Subpart JJJJJ: Compliance and Enforcement

Emission Unit Level

- 34 6 NYCRR 201-7.1: Process Permissible Emissions

EU=1-PROCS

- 35 6 NYCRR 233.3 (a) (1): Process equipment requirements (>0.5 psi)
- 36 6 NYCRR 233.3 (d): Storage tank requirements

EU=2--BOIL

- 37 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 38 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 39 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration



EU=3--WWTP

- 40 6 NYCRR Part 233: Compliance Demonstration
- 41 6 NYCRR Part 233: Compliance Demonstration
- 42 6 NYCRR Part 233: Compliance Demonstration

EU=4-BULKS

- 43 6 NYCRR 233.3 (c): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 44 ECL 19-0301: Contaminant List
- 45 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 46 6 NYCRR Subpart 201-5: Emission Unit Definition
- 47 6 NYCRR 201-5.1 (a) (1): General Conditions - Synthetic Minor Facilities Obtaining State Facility Permits
- 48 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 49 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 50 6 NYCRR 201-5.4 (e): Compliance Demonstration
- 51 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 52 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 53 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

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

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

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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.

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

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

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

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

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

Item H: Proof of Eligibility for Sources Defined as Trivial



Activities - 6 NYCRR 201-3.3 (a)

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

Item I: Required Emission Tests - 6 NYCRR 202-1.1

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

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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



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Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 3: Capping Monitoring Condition
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 3.2:

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

Item 3.3:

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

Item 3.4:

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

Item 3.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000064-17-5	ETHYL ALCOHOL (ETHANOL)
CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000067-63-0	ISOPROPYL ALCOHOL
CAS No: 000068-12-2	FORMAMIDE, N,N-DIMETHYL
CAS No: 000071-23-8	PROPANOL

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CAS No: 000075-05-8	ACETONITRILE
CAS No: 000075-21-8	ETHYLENE OXIDE
CAS No: 000075-65-0	2-METHYL-2-PROPANOL
CAS No: 000077-78-1	SULFURIC ACID, DIMETHYL ESTER
CAS No: 000095-53-4	BENZENAMINE, 2-METHYL
CAS No: 000100-44-7	BENZYL CHLORIDE
CAS No: 000108-21-4	ISOPROPYL ACETATE
CAS No: 000108-88-3	TOLUENE
CAS No: 000109-99-9	TETRAHYDROFURAN
CAS No: 000121-44-8	N,N-DIETHYL ETHANAMINE
CAS No: 000142-82-5	N-HEPTANE
CAS No: 000872-50-4	1-METHYL-2-PYRROLIDONE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 007664-93-9	SULFURIC ACID
CAS No: 006032-29-7	2-PENTANOL
CAS No: 0NY998-00-0	VOC

Item 3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

AMRI will cap emissions of Volatile Organic Compounds (VOC) facility wide to 45 tons (90,000 pounds) per year. AMRI will determine emissions of VOC by tracking the use of VOC containing compounds in their various processes at the facility.

To maintain both hourly PTE and yearly PTE VOC emission limits. AMRI will cap the number of batches run for the calendar year for the following processes:

Process 107 : 10 batches/year
Process 108 : 20 batches/year
Process 109 : 5 batches/year
Process 111: 5 batches/year
Process 112: 20 batches/year
Process 113: 20 batches/year
Process 115: 10 batches/year
Process 116: 50 batches/year

Process 205: 10 batches /year
Process 216: 10 batches/year

Process 301: 5 batches/year
Process 302: 45 batches/year
Process 303: 20 batches/year
Process 304: 30 batches/year
Process 305: 20 batches/year
Process 306: 45 batches/year

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Process 308: 30 batches/year
Process 309: 10 batches/year
Process 310: 15 batches/year
Process 311: 10 batches/year
Process 316: 10 batches/year
Process 317: 40 batches/year
Process 318: 40 batches/year
Process 326: 3 batches/year
Process 332: 3 batches/year

Process 401: 35 batches/year
Process 402: 35 batches/year
Process 403: 20 batches/year
Process 407: 10 batches/year
Process 408: 5 batches/year
Process 411: 10 batches/year
Process 414: 20 batches/year
Process 415: 10 batches/year
Process 416: 65 batches/year
Process 417: 65 batches/year

Process 501: 20 batches/year
Process 503: 30 batches/year

Parameter Monitored: VOC

Upper Permit Limit: 90,000 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 4: Capping Monitoring Condition
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 4.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 4.2:

Operation of this facility shall take place in accordance with the approved criteria, emission

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limits, terms, conditions and standards in this permit.

Item 4.3:

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

Item 4.4:

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

Item 4.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 4.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

AMRI will cap emissions of Carbon Monoxide (CO) to 30 tons (60,000 pounds) per year. AMRI will calculate the CO emissions using appropriate emissions factors for the boilers and the amount of fuel burned in them.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 60,000 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 5:

Capping Monitoring Condition

Effective between the dates of 04/10/2017 and 04/09/2027



Applicable Federal Requirement:6 NYCRR 201-7.1

Item 5.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6
40 CFR Part 63, Subpart GGG

Item 5.2:

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

Item 5.3:

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

Item 5.4:

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

Item 5.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 5.6:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 5.7:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

AMRI will cap emissions of Hazardous Air Pollutants (HAPs) facility-wide at 23.75 tons (47,500 pounds) per year. AMRI will determine emissions of total HAP by

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tracking the use of HAP containing compounds in their various processes at the facility.

Parameter Monitored: TOTAL HAP

Upper Permit Limit: 47,500 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 6: Capping Monitoring Condition
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 6.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6
40 CFR Part 63, Subpart GGG

Item 6.2:

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

Item 6.3:

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

Item 6.4:

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

Item 6.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 6.6:

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The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000068-12-2	FORMAMIDE, N,N-DIMETHYL
CAS No: 000075-09-2	DICHLOROMETHANE
CAS No: 000075-21-8	ETHYLENE OXIDE
CAS No: 000077-78-1	SULFURIC ACID, DIMETHYL ESTER
CAS No: 000095-53-4	BENZENAMINE, 2-METHYL
CAS No: 000100-44-7	BENZYL CHLORIDE
CAS No: 000108-88-3	TOLUENE
CAS No: 000110-54-3	HEXANE
CAS No: 000121-44-8	N,N-DIETHYL ETHANAMINE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001634-04-4	METHYL TERTBUTYL ETHER
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 000075-05-8	ACETONITRILE

Item 6.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

AMRI will cap emissions of individual Hazardous Air
Pollutants (HAPs) to 9.5 tons (19,000 pounds) per year.
AMRI will determine emissions of individual HAP by
tracking the use of HAP containing compounds in their
various processes at the facility.

Parameter Monitored: TOTAL HAP

Upper Permit Limit: 19,000 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 7: Capping Monitoring Condition

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 7.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

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6 NYCRR Subpart 201-6

Item 7.2:

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

Item 7.3:

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

Item 7.4:

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

Item 7.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 7.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 7.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

AMRI will cap emissions of Oxides of Nitrogen (NO_x) to 47 tons (94,000 pounds) per year. AMRI will calculate the NO_x emissions using appropriate emissions factors for the boilers and the amount of fuel burned in them.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 94,000 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 7/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Subpart 202-1

Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions testing of various process steps shall be done over the course of the permit term. A total of four (4) emission tests shall be performed during the term of the permit. The facility will propose four (4) emission tests to be done and respective protocols for each test shall include the applicable process being tested along with the respective emission points and contaminants being analyzed. The protocol shall be approved by the Department prior to testing and notification shall be given when the emissions tests will occur to ensure witnessing by the Department. All stack tests will strictly follow defined stack test protocols as prescribed. The facility shall plan and perform these emission tests in a timely manner within the term of the permit as the production process campaigns allow.

Reference Test Method: EPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 9: Air pollution prohibited
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 211.1

Item 9.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.



Condition 10: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014 and are limited to the firing of distillate oil including number two heating oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart. All records must be maintained at the facility for a minimum of five years.

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 3 calendar month(s).

Condition 11: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 11.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 2--BOIL

Process: 903

Emission Unit: 2--BOIL

Process: 904

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other



than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

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

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

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall re-evaluate all processes for VOC RACT within 3 years of issuance of this permit.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027



Applicable Federal Requirement:6 NYCRR Part 233

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 1-PROCS Process: 106	Emission Source: 01S05
Emission Unit: 1-PROCS Process: 107	Emission Source: 01S05
Emission Unit: 1-PROCS Process: 205	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 206	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 208	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 209	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 216	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 221	Emission Source: 02S01
Emission Unit: 1-PROCS Process: 401	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 402	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 403	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 404	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 407	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 408	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 411	Emission Source: 04S01

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Emission Unit: 1-PROCS
Process: 412

Emission Source: 04S01

Emission Unit: 1-PROCS
Process: 413

Emission Source: 04S01

Emission Unit: 1-PROCS
Process: 414

Emission Source: 04S01

Emission Unit: 1-PROCS
Process: 415

Emission Source: 04S01

Emission Unit: 1-PROCS
Process: 416

Emission Source: 04S01

Emission Unit: 1-PROCS
Process: 417

Emission Source: 04S01

Regulated Contaminant(s):

CAS No: 000064-17-5	ETHYL ALCOHOL (ETHANOL)
CAS No: 000067-63-0	ISOPROPYL ALCOHOL
CAS No: 000068-12-2	FORMAMIDE, N,N-DIMETHYL
CAS No: 000071-23-8	PROPANOL
CAS No: 000075-05-8	ACETONITRILE
CAS No: 000095-53-4	BENZENAMINE, 2-METHYL
CAS No: 000108-21-4	ISOPROPYL ACETATE
CAS No: 000108-88-3	TOLUENE
CAS No: 000142-82-5	N-HEPTANE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 000067-56-1	METHYL ALCOHOL

Item 13.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The flow of liquid to the top of the packed column shall be monitored while the unit is in operation. The flow shall not fall below the limit cited below.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 8 gallons per minute

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 14: Compliance Demonstration



Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 14.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 1-PROCS Process: 101	Emission Source: 01S04
Emission Unit: 1-PROCS Process: 106	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 108	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 109	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 110	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 111	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 112	Emission Source: 01S04
Emission Unit: 1-PROCS Process: 113	Emission Source: 01S04
Emission Unit: 1-PROCS Process: 114	Emission Source: 01S04
Emission Unit: 1-PROCS Process: 115	Emission Source: 01S03
Emission Unit: 1-PROCS Process: 115	Emission Source: 01S06
Emission Unit: 1-PROCS Process: 116	Emission Source: 01S04
Emission Unit: 1-PROCS Process: 205	Emission Source: 02S02
Emission Unit: 1-PROCS Process: 206	Emission Source: 02S02
Emission Unit: 1-PROCS Process: 208	Emission Source: 02S02



Emission Unit: 1-PROCS Process: 209	Emission Source: 02S02
Emission Unit: 1-PROCS Process: 216	Emission Source: 02S02
Emission Unit: 1-PROCS Process: 221	Emission Source: 02S02
Emission Unit: 1-PROCS Process: 301	Emission Source: 33S01
Emission Unit: 1-PROCS Process: 334	Emission Source: 33S01
Emission Unit: 1-PROCS Process: 401	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 402	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 403	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 404	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 407	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 408	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 411	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 412	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 413	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 414	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 415	Emission Source: 04S01
Emission Unit: 1-PROCS Process: 416	Emission Source: 04S01

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Emission Unit: 1-PROCS
Process: 417

Emission Source: 04S01

Regulated Contaminant(s):

CAS No: 000064-17-5	ETHYL ALCOHOL (ETHANOL)
CAS No: 000067-63-0	ISOPROPYL ALCOHOL
CAS No: 000068-12-2	FORMAMIDE, N,N-DIMETHYL
CAS No: 000071-23-8	PROPANOL
CAS No: 000075-05-8	ACETONITRILE
CAS No: 000075-65-0	2-METHYL-2-PROPANOL
CAS No: 000095-53-4	BENZENAMINE, 2-METHYL
CAS No: 000100-44-7	BENZYL CHLORIDE
CAS No: 000108-21-4	ISOPROPYL ACETATE
CAS No: 000108-88-3	TOLUENE
CAS No: 000109-99-9	TETRAHYDROFURAN
CAS No: 000142-82-5	N-HEPTANE
CAS No: 000872-50-4	1-METHYL-2-PYRROLIDONE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007664-93-9	SULFURIC ACID
CAS No: 000067-56-1	METHYL ALCOHOL

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The pH of the scrubbing liquid from the wet scrubber shall be monitored.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 7 pH (STANDARD) units

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 15: Compliance Demonstration

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 15.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-PROCS
Process: 301

Emission Source: 33S01

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Emission Unit: 1-PROCS

Process: 334

Emission Source: 33S01

Regulated Contaminant(s):

- CAS No: 000100-44-7 BENZYL CHLORIDE
- CAS No: 000108-21-4 ISOPROPYL ACETATE
- CAS No: 000108-88-3 TOLUENE
- CAS No: 007647-01-0 HYDROGEN CHLORIDE
- CAS No: 000067-56-1 METHYL ALCOHOL

Item 15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The flow of liquid to the top of the packed column shall be monitored while the unit is in operation. The flow shall not fall below the limit cited below.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 15 gallons per minute

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 16: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 16.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-PROCS

Process: 205

Emission Source: 02S02

Emission Unit: 1-PROCS

Process: 206

Emission Source: 02S02

Emission Unit: 1-PROCS

Process: 208

Emission Source: 02S02

Emission Unit: 1-PROCS

Process: 209

Emission Source: 02S02

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Emission Unit: 1-PROCS
Process: 216

Emission Source: 02S02

Emission Unit: 1-PROCS
Process: 221

Emission Source: 02S02

Regulated Contaminant(s):

- CAS No: 000064-17-5 ETHYL ALCOHOL (ETHANOL)
- CAS No: 000067-63-0 ISOPROPYL ALCOHOL
- CAS No: 000068-12-2 FORMAMIDE, N,N-DIMETHYL
- CAS No: 000075-05-8 ACETONITRILE
- CAS No: 000108-88-3 TOLUENE
- CAS No: 000067-56-1 METHYL ALCOHOL

Item 16.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The flow of liquid to the top of the packed column shall be monitored while the unit is in operation. The flow shall not fall below the limit cited below.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 100 gallons per minute

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 17: Compliance Demonstration

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 17.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-PROCS
Process: 101

Emission Source: 01S04

Emission Unit: 1-PROCS
Process: 112

Emission Source: 01S04

Emission Unit: 1-PROCS
Process: 113

Emission Source: 01S04

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Emission Unit: 1-PROCS
Process: 114

Emission Source: 01S04

Emission Unit: 1-PROCS
Process: 116

Emission Source: 01S04

Regulated Contaminant(s):

CAS No: 000064-17-5	ETHYL ALCOHOL (ETHANOL)
CAS No: 000067-63-0	ISOPROPYL ALCOHOL
CAS No: 000108-21-4	ISOPROPYL ACETATE
CAS No: 000108-88-3	TOLUENE
CAS No: 000109-99-9	TETRAHYDROFURAN
CAS No: 000872-50-4	1-METHYL-2-PYRROLIDONE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 000067-56-1	METHYL ALCOHOL

Item 17.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The flow of liquid to the top of the packed column shall be monitored while the unit is in operation. The flow shall not fall below the limit cited below.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 18 gallons per minute

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 18: Compliance Demonstration

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR Part 233

Item 18.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-PROCS
Process: 106

Emission Source: 01S03

Emission Unit: 1-PROCS
Process: 108

Emission Source: 01S03

Emission Unit: 1-PROCS

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Process: 109 Emission Source: 01S03

Emission Unit: 1-PROCS
Process: 110 Emission Source: 01S03

Emission Unit: 1-PROCS
Process: 111 Emission Source: 01S03

Emission Unit: 1-PROCS
Process: 115 Emission Source: 01S03

Regulated Contaminant(s):
CAS No: 000064-17-5 ETHYL ALCOHOL (ETHANOL)
CAS No: 000067-63-0 ISOPROPYL ALCOHOL
CAS No: 000075-65-0 2-METHYL-2-PROPANOL
CAS No: 000108-21-4 ISOPROPYL ACETATE
CAS No: 007647-01-0 HYDROGEN CHLORIDE
CAS No: 007664-93-9 SULFURIC ACID
CAS No: 000067-56-1 METHYL ALCOHOL

Item 18.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The flow of liquid to the top of the packed column shall be monitored while the unit is in operation. The flow shall not fall below the limit cited below.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 10 gallons per minute
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 19: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 233.3 (b) (2)

Item 19.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 19.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 LDAR Plan (updated in 2009) in their VOC RACT Compliance Plan. All pumps in Building 1 and Building 20 and/or associated with bulk storage system shall be monitored on an annual basis using EPA Method 21 of 40 CFR 60.

If instrument confirms leakage above 10,000 ppm as methane for any component the repair must be made within 5 calendar days. If the instrument confirms leakage greater than the upper limit, but less than 10,000 ppm repairs must be made within 15 calendar days. Delay of a repair is allowed if the conditions described in the Leak Detection and Repair (LDAR) Plan exist.

When the leak is repaired, the component that was leaking shall be retested within 15 days of its initial repair attempt. Days that the component is not in Volatile Organic Compound (VOC) service shall not be considered part of this period.

Upper Permit Limit: 2,000 parts per million (by volume)

Reference Test Method: USEPA Method 21

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 20: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 233.3 (b) (2)

Item 20.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Annual Leak Detection and Repair (LDAR) Report for

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When the leak is repaired, the component that was leaking shall be retested within 15 days of its initial repair attempt. Days that the component is not in Volatile Organic Compound (VOC) service shall not be considered part of this period.

Upper Permit Limit: 10,000 parts per million (by volume)
Reference Test Method: USEPA Method 21
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 22: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 233.3 (b) (2)

Item 22.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 LDAR Plan (updated in 2009) in their VOC RACT Compliance Plan. All connectors and valves in Building 1 and Building 20 and/or associated with bulk storage system shall be monitored on an annual basis using EPA Method 21 of 40 CFR 60.

If instrument confirms leakage above 10,000 ppm as methane for any component the repair must be made within 5 calendar days. If the instrument confirms leakage greater than the upper limit, but less than 10,000 ppm repairs must be made within 15 calendar days. Delay of a repair is allowed if the conditions described in the LDAR Plan exist.

When the leak is repaired, the component that was leaking shall be retested within 15 days of its initial repair attempt. Days that the component is not in Volatile Organic Compound (VOC) service shall not be considered part of this period.



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Parameter Monitored: VOC

Upper Permit Limit: 500 parts per million (by volume)

Reference Test Method: USEPA Method 21

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 23: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 233.3 (b) (2)

Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 LDAR Plan (updated in 2009) in their VOC RACT Compliance Plan. All agitators in Building 1 and Building 20 and/or associated with bulk storage system shall be monitored on an annual basis using EPA Method 21 of 40 CFR 60.

If instrument confirms leakage above 10,000 ppm as methane for any component the repair must be made within 5 calendar days. If the instrument confirms leakage greater than the upper limit, but less than 10,000 ppm repairs must be made within 15 calendar days. Delay of a repair is allowed if the conditions described in the LDAR Plan exist.

When the leak is repaired, the component that was leaking shall be retested within 15 days of its initial repair attempt. Days that the component is not in Volatile Organic Compound (VOC) service shall not be considered part of this period.

Upper Permit Limit: 8,000 parts per million (by volume)

Reference Test Method: USEPA Method 21

Monitoring Frequency: ANNUALLY

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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 24: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 233.3 (b) (2)

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 24.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 Leak Detection and Repair (LDAR) Plan in their Volatile Organic Compound (VOC) RACT Compliance Plan: In buildings 2, 4, 19, and 33, the batch product equipment train shall be tested for leaks before Volatile Organic Compounds (VOC's) are fed to the equipment and the equipment is placed in VOC service.

Testing is required only for the new or disturbed equipment. Testing shall only apply to those batch processes that operate for more than 300 hours in VOC service during a calendar year. For pressure or vacuum tests, a leak is detected if the rate of change in pressure is greater than the upper limit or if there is visible, audible or olfactory evidence of fluid loss. For pressure tests using a liquid, a leak is detected if there are indications of liquids dripping or if there is other evidence of fluid loss. If a leak is detected, it shall be repaired and batch process equipment shall be retested prior to startup of the process.

Alternately, the batch product-process equipment train can be tested during the same manner as in Buildings 1, 20, and bulk tank associated distributed systems.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 2 pounds per square inch gauge

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL

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CHANGE
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 25: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 25.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 2--BOIL
Process: 903

Emission Unit: 2--BOIL
Process: 904

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.50 percent by weight
Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Exemption from the averaging period
Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 26.1:

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This Condition applies to:

Emission Unit: 2-BOIL
Process: 903

Emission Unit: 2-BOIL
Process: 904

Item 26.2:

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

Condition 27: Enforceability

Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 27.1:

This Condition applies to:

Emission Unit: 2-BOIL
Process: 903

Emission Unit: 2-BOIL
Process: 904

Item 27.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 28: Compliance Demonstration

Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 28.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 2--BOIL
Process: 903

Emission Unit: 2--BOIL
Process: 904

Item 28.2:

Compliance Demonstration shall include the following monitoring:

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

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Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h). Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60.48c(f)(1), (2), and (3), as applicable.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 29: Exemption from sulfur dioxide monitoring requirements
Effective between the dates of 04/10/2017 and 04/09/2027**

Applicable Federal Requirement:40CFR 60.46c(e), NSPS Subpart Dc

Item 29.1:

This Condition applies to:

Emission Unit: 2-BOIL
Process: 903

Emission Unit: 2-BOIL
Process: 904

Item 29.2:

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 30: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027**

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

Item 30.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 2--BOIL
Process: 903

Emission Unit: 2--BOIL
Process: 904

Item 30.2:

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 31: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:40CFR 60.48c(e)(11), NSPS Subpart Dc

Item 31.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 2--BOIL
Process: 903

Emission Unit: 2--BOIL
Process: 904

Item 31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph §60.48c(f)(1)(2) or (3). In addition to records of fuel supplier certification, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 32: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 32.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 2--BOIL
Process: 903

Emission Unit: 2--BOIL
Process: 904

Item 32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance and Enforcement
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 33.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart JJJJJJ. Any questions

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concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart JJJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

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

Condition 34: Process Permissible Emissions
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 34.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit:	1-PROCS	Process:	303
	CAS No: 000050-00-0		
	Name: FORMALDEHYDE		
	PTE(s): 0.01 pounds per hour		19.68 pounds per year
Emission Unit:	1-PROCS	Process:	114
	CAS No: 000064-17-5		
	Name: ETHYL ALCOHOL (ETHANOL)		
	PTE(s): 0.45 pounds per hour		21.88 pounds per year
Emission Unit:	1-PROCS	Process:	115
	CAS No: 000064-17-5		
	Name: ETHYL ALCOHOL (ETHANOL)		
	PTE(s): 4.46 pounds per hour		277 pounds per year
Emission Unit:	1-PROCS	Process:	205
	CAS No: 000064-17-5		
	Name: ETHYL ALCOHOL (ETHANOL)		
	PTE(s): 0.18 pounds per hour		19.63 pounds per year
Emission Unit:	1-PROCS	Process:	209



CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.004 pounds per hour
0.28 pounds per year

Emission Unit: 1-PROCS Process: 216

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.15 pounds per hour
8.82 pounds per year

Emission Unit: 1-PROCS Process: 302

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 1.58 pounds per hour
177.8 pounds per year

Emission Unit: 1-PROCS Process: 303

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 1.16 pounds per hour
84 pounds per year

Emission Unit: 1-PROCS Process: 306

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 2.02 pounds per hour
857.4 pounds per year

Emission Unit: 1-PROCS Process: 308

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 18.6 pounds per hour
6,086 pounds per year

Emission Unit: 1-PROCS Process: 311

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.08 pounds per hour
6.83 pounds per year

Emission Unit: 1-PROCS Process: 316

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)

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PTE(s): 3.1 pounds per hour
137 pounds per year

Emission Unit: 1-PROCS Process: 321

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.05 pounds per hour
2.29 pounds per year

Emission Unit: 1-PROCS Process: 330

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.12 pounds per hour
7.8 pounds per year

Emission Unit: 1-PROCS Process: 401

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.19 pounds per hour
16.71 pounds per year

Emission Unit: 1-PROCS Process: 402

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.05 pounds per hour
1.16 pounds per year

Emission Unit: 1-PROCS Process: 411

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.19 pounds per hour
1.3 pounds per year

Emission Unit: 1-PROCS Process: 413

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.55 pounds per hour
349.2 pounds per year

Emission Unit: 1-PROCS Process: 414

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 1.88 pounds per hour
470 pounds per year

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Emission Unit: 1-PROCS Process: 415
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 5.89 pounds per hour
388 pounds per year

Emission Unit: 1-PROCS Process: 503
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 2.21 pounds per hour
51.24 pounds per year

Emission Unit: 1-PROCS Process: 505
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 4.6 pounds per hour
681.27 pounds per year

Emission Unit: 1-PROCS Process: 701
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.133 pounds per hour
1,163.5 pounds per year

Emission Unit: 3--WWTP Process: 801
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.016 pounds per hour
143.5 pounds per year

Emission Unit: 4-BULKS Process: 601
CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)
PTE(s): 0.0213 pounds per hour
186.6 pounds per year

Emission Unit: 1-PROCS Process: 101
CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.1 pounds per hour
852.2 pounds per year

Emission Unit: 1-PROCS Process: 105
CAS No: 000067-56-1

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Name: METHYL ALCOHOL
PTE(s): 0.01 pounds per hour
87.6 pounds per year
Emission Unit: 1-PROCS Process: 106

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.14 pounds per hour
9.93 pounds per year
Emission Unit: 1-PROCS Process: 107

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 1.47 pounds per hour
7.3 pounds per year
Emission Unit: 1-PROCS Process: 206

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.11 pounds per hour
21.01 pounds per year
Emission Unit: 1-PROCS Process: 301

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.74 pounds per hour
9 pounds per year
Emission Unit: 1-PROCS Process: 304

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 8.61 pounds per hour
2,214 pounds per year
Emission Unit: 1-PROCS Process: 305

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.77 pounds per hour
57.2 pounds per year
Emission Unit: 1-PROCS Process: 403

CAS No: 000067-56-1
Name: METHYL ALCOHOL
PTE(s): 0.57 pounds per hour
5.32 pounds per year

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Emission Unit:	1-PROCS	Process:	411
	CAS No: 000067-56-1		
	Name: METHYL ALCOHOL		
	PTE(s):	0.01 pounds per hour	
			0.064 pounds per year
Emission Unit:	1-PROCS	Process:	701
	CAS No: 000067-56-1		
	Name: METHYL ALCOHOL		
	PTE(s):	0.56 pounds per hour	
			4,903.7 pounds per year
Emission Unit:	3--WWTP	Process:	801
	CAS No: 000067-56-1		
	Name: METHYL ALCOHOL		
	PTE(s):	0.25 pounds per hour	
			2,161 pounds per year
Emission Unit:	4-BULKS	Process:	601
	CAS No: 000067-56-1		
	Name: METHYL ALCOHOL		
	PTE(s):	0.058 pounds per hour	
			505.3 pounds per year
Emission Unit:	1-PROCS	Process:	108
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	7.58 pounds per hour	
			1,074 pounds per year
Emission Unit:	1-PROCS	Process:	109
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	0.07 pounds per hour	
			3.43 pounds per year
Emission Unit:	1-PROCS	Process:	112
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	1.45 pounds per hour	
			768 pounds per year
Emission Unit:	1-PROCS	Process:	113

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CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 5.98 pounds per hour
358 pounds per year
Emission Unit: 1-PROCS Process: 114

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.001 pounds per hour
0.034 pounds per year
Emission Unit: 1-PROCS Process: 221

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.12 pounds per hour
39.75 pounds per year
Emission Unit: 1-PROCS Process: 303

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 1.49 pounds per hour
101.6 pounds per year
Emission Unit: 1-PROCS Process: 306

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.37 pounds per hour
8.33 pounds per year
Emission Unit: 1-PROCS Process: 310

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 7.92 pounds per hour
360 pounds per year
Emission Unit: 1-PROCS Process: 316

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.41 pounds per hour
2.06 pounds per year
Emission Unit: 1-PROCS Process: 317

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.66 pounds per hour

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			255 pounds per year
Emission Unit:	1-PROCS	Process:	318
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	1.65 pounds per hour	
			104.4 pounds per year
Emission Unit:	1-PROCS	Process:	408
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	0.11 pounds per hour	
			3.32 pounds per year
Emission Unit:	1-PROCS	Process:	412
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	0.11 pounds per hour	
			34.09 pounds per year
Emission Unit:	1-PROCS	Process:	416
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	10.88 pounds per hour	
			3,783 pounds per year
Emission Unit:	1-PROCS	Process:	417
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	10.88 pounds per hour	
			3,783 pounds per year
Emission Unit:	1-PROCS	Process:	701
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	0.182 pounds per hour	
			1,592.8 pounds per year
Emission Unit:	3--WWTP	Process:	801
	CAS No: 000067-63-0		
	Name: ISOPROPYL ALCOHOL		
	PTE(s):	0.13 pounds per hour	
			1,117 pounds per year
Emission Unit:	4-BULKS	Process:	601

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CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL
PTE(s): 0.035 pounds per hour
310 pounds per year

Emission Unit: 1-PROCS Process: 206

CAS No: 000068-12-2
Name: FORMAMIDE, N,N-DIMETHYL
PTE(s): 0.001 pounds per hour
0.18 pounds per year

Emission Unit: 1-PROCS Process: 208

CAS No: 000068-12-2
Name: FORMAMIDE, N,N-DIMETHYL
PTE(s): 0.002 pounds per hour
0.1 pounds per year

Emission Unit: 1-PROCS Process: 403

CAS No: 000071-23-8
Name: PROPANOL
PTE(s): 8.6 pounds per hour
1,788 pounds per year

Emission Unit: 1-PROCS Process: 208

CAS No: 000075-05-8
Name: ACETONITRILE
PTE(s): 0.01 pounds per hour
0.33 pounds per year

Emission Unit: 3--WWTP Process: 801

CAS No: 000075-09-2
Name: DICHLOROMETHANE
PTE(s): 0.0029 pounds per hour
25.3 pounds per year

Emission Unit: 1-PROCS Process: 501

CAS No: 000075-21-8
Name: ETHYLENE OXIDE
PTE(s): 0.03 pounds per hour
4.4 pounds per year

Emission Unit: 1-PROCS Process: 111

CAS No: 000075-65-0
Name: 2-METHYL-2-PROPANOL

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PTE(s):	0.98 pounds per hour	2.43 pounds per year
Emission Unit:	1-PROCS	Process: 318
CAS No: 000077-78-1 Name: SULFURIC ACID, DIMETHYL ESTER		
PTE(s):	0.01 pounds per hour	0.32 pounds per year
Emission Unit:	1-PROCS	Process: 408
CAS No: 000095-53-4 Name: BENZENAMINE, 2-METHYL		
PTE(s):	0.0002 pounds per hour	0.0006 pounds per year
Emission Unit:	1-PROCS	Process: 301
CAS No: 000100-44-7 Name: BENZYL CHLORIDE		
PTE(s):	0.0002 pounds per hour	0.0015 pounds per year
Emission Unit:	1-PROCS	Process: 309
CAS No: 000100-44-7 Name: BENZYL CHLORIDE		
PTE(s):	0.001 pounds per hour	0.33 pounds per year
Emission Unit:	1-PROCS	Process: 106
CAS No: 000108-21-4 Name: ISOPROPYL ACETATE		
PTE(s):	1.15 pounds per hour	139 pounds per year
Emission Unit:	1-PROCS	Process: 107
CAS No: 000108-21-4 Name: ISOPROPYL ACETATE		
PTE(s):	2.34 pounds per hour	576 pounds per year
Emission Unit:	1-PROCS	Process: 116
CAS No: 000108-21-4 Name: ISOPROPYL ACETATE		
PTE(s):	0.39 pounds per hour	487 pounds per year

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Emission Unit:	1-PROCS	Process:	305
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	2.03 pounds per hour	99 pounds per year
Emission Unit:	1-PROCS	Process:	334
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	0.39 pounds per hour	888.8 pounds per year
Emission Unit:	1-PROCS	Process:	414
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	0.62 pounds per hour	25.6 pounds per year
Emission Unit:	1-PROCS	Process:	416
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	2.34 pounds per hour	1,326 pounds per year
Emission Unit:	1-PROCS	Process:	417
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	2.34 pounds per hour	1,326 pounds per year
Emission Unit:	1-PROCS	Process:	701
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	0.067 pounds per hour	591 pounds per year
Emission Unit:	3--WWTP	Process:	801
	CAS No: 000108-21-4		
	Name: ISOPROPYL ACETATE		
	PTE(s):	1.06 pounds per hour	9,329 pounds per year
Emission Unit:	4-BULKS	Process:	601
	CAS No: 000108-21-4		

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Name: ISOPROPYL ACETATE
PTE(s): 0.092 pounds per hour
802.8 pounds per year
Emission Unit: 1-PROCS Process: 112

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 1.84 pounds per hour
44.2 pounds per year
Emission Unit: 1-PROCS Process: 206

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.0004 pounds per hour
0.011 pounds per year
Emission Unit: 1-PROCS Process: 301

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 2.18 pounds per hour
326 pounds per year
Emission Unit: 1-PROCS Process: 302

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 3.1 pounds per hour
7,200 pounds per year
Emission Unit: 1-PROCS Process: 303

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.46 pounds per hour
25.2 pounds per year
Emission Unit: 1-PROCS Process: 318

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 2.13 pounds per hour
125.6 pounds per year
Emission Unit: 1-PROCS Process: 326

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.42 pounds per hour
1.86 pounds per year
Emission Unit: 1-PROCS Process: 326

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Emission Unit: 1-PROCS Process: 332

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.62 pounds per hour

2.74 pounds per year

Emission Unit: 1-PROCS Process: 501

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 2.53 pounds per hour

81.4 pounds per year

Emission Unit: 1-PROCS Process: 701

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.072 pounds per hour

627.1 pounds per year

Emission Unit: 3--WWTP Process: 801

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.055 pounds per hour

481.1 pounds per year

Emission Unit: 4-BULKS Process: 601

CAS No: 000108-88-3
Name: TOLUENE
PTE(s): 0.017 pounds per hour

150.2 pounds per year

Emission Unit: 1-PROCS Process: 113

CAS No: 000109-99-9
Name: TETRAHYDROFURAN
PTE(s): 1.31 pounds per hour

65 pounds per year

Emission Unit: 1-PROCS Process: 305

CAS No: 000109-99-9
Name: TETRAHYDROFURAN
PTE(s): 6.15 pounds per hour

1,014 pounds per year

Emission Unit: 3--WWTP Process: 801

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CAS No: 000109-99-9
Name: TETRAHYDROFURAN
PTE(s): 0.083 pounds per hour
723.7 pounds per year

Emission Unit: 4-BULKS Process: 601

CAS No: 000109-99-9
Name: TETRAHYDROFURAN
PTE(s): 0.032 pounds per hour
279.2 pounds per year

Emission Unit: 2--BOIL Process: 901

CAS No: 000110-54-3
Name: HEXANE
PTE(s): 0.059 pounds per hour
246.8 pounds per year

Emission Unit: 2--BOIL Process: 902

CAS No: 000110-54-3
Name: HEXANE
PTE(s): 0.059 pounds per hour
246.8 pounds per year

Emission Unit: 1-PROCS Process: 332

CAS No: 000121-44-8
Name: N,N-DIETHYL ETHANAMINE
PTE(s): 0.93 pounds per hour
2 pounds per year

Emission Unit: 1-PROCS Process: 407

CAS No: 000142-82-5
Name: N-HEPTANE
PTE(s): 0.58 pounds per hour
3.35 pounds per year

Emission Unit: 3--WWTP Process: 801

CAS No: 000142-82-5
Name: N-HEPTANE
PTE(s): 0.047 pounds per hour
408.1 pounds per year

Emission Unit: 2--BOIL Process: 901

CAS No: 000630-08-0
Name: CARBON MONOXIDE
PTE(s): 2.812 pounds per hour

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			11,745.7 pounds per year
Emission Unit:	2--BOIL	Process:	902
	CAS No: 000630-08-0		
	Name: CARBON MONOXIDE		
	PTE(s):	2.812 pounds per hour	
			11,745.7 pounds per year
Emission Unit:	2--BOIL	Process:	903
	CAS No: 000630-08-0		
	Name: CARBON MONOXIDE		
	PTE(s):	1.2 pounds per hour	
			5,499.6 pounds per year
Emission Unit:	2--BOIL	Process:	904
	CAS No: 000630-08-0		
	Name: CARBON MONOXIDE		
	PTE(s):	1.2 pounds per hour	
			5,499.6 pounds per year
Emission Unit:	1-PROCS	Process:	112
	CAS No: 000872-50-4		
	Name: 1-METHYL-2-PYRROLIDONE		
	PTE(s):	0.01 pounds per hour	
			0.94 pounds per year
Emission Unit:	1-PROCS	Process:	114
	CAS No: 000872-50-4		
	Name: 1-METHYL-2-PYRROLIDONE		
	PTE(s):	0.14 pounds per hour	
			4 pounds per year
Emission Unit:	1-PROCS	Process:	407
	CAS No: 001330-20-7		
	Name: XYLENE, M, O & P MIXT.		
	PTE(s):	0.58 pounds per hour	
			4.63 pounds per year
Emission Unit:	3--WWTP	Process:	801
	CAS No: 001330-20-7		
	Name: XYLENE, M, O & P MIXT.		
	PTE(s):	0.02 pounds per hour	
			175.7 pounds per year
	CAS No: 001634-04-4		

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Name: METHYL TERTBUTYL ETHER

PTE(s): 0.029 pounds per hour
253 pounds per year

Emission Unit: 1-PROCS Process: 332

CAS No: 006032-29-7

Name: 2-PENTANOL

PTE(s): 0.02 pounds per hour
0.1 pounds per year

Emission Unit: 2--BOIL Process: 901

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.02 pounds per hour
83.5 pounds per year

Emission Unit: 2--BOIL Process: 902

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.02 pounds per hour
83.5 pounds per year

Emission Unit: 2--BOIL Process: 903

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.051 pounds per hour
234.3 pounds per year

Emission Unit: 2--BOIL Process: 904

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 0.051 pounds per hour
234.3 pounds per year

Emission Unit: 1-PROCS Process: 106

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

PTE(s): 0.22 pounds per hour
15.91 pounds per year

Emission Unit: 1-PROCS Process: 110

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

PTE(s): 0.004 pounds per hour
0.15 pounds per year

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Emission Unit:	1-PROCS	Process:	111
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 1.76 pounds per hour		5.88 pounds per year
Emission Unit:	1-PROCS	Process:	113
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 8.53 pounds per hour		566 pounds per year
Emission Unit:	1-PROCS	Process:	116
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 5.38 pounds per hour		334.8 pounds per year
Emission Unit:	1-PROCS	Process:	301
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 0.92 pounds per hour		19.5 pounds per year
Emission Unit:	1-PROCS	Process:	302
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 0.23 pounds per hour		107.1 pounds per year
Emission Unit:	1-PROCS	Process:	305
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 0.03 pounds per hour		1.7 pounds per year
Emission Unit:	1-PROCS	Process:	307
	CAS No: 007647-01-0		
	Name: HYDROGEN CHLORIDE		
	PTE(s): 0.52 pounds per hour		4.65 pounds per year
Emission Unit:	1-PROCS	Process:	318

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CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 3.99 pounds per hour
116.4 pounds per year

Emission Unit: 1-PROCS Process: 321

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 3.94 pounds per hour
255.6 pounds per year

Emission Unit: 1-PROCS Process: 326

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 2.99 pounds per hour
6 pounds per year

Emission Unit: 1-PROCS Process: 334

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 5.38 pounds per hour
611 pounds per year

Emission Unit: 1-PROCS Process: 505

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 1.72 pounds per hour
406.97 pounds per year

Emission Unit: 1-PROCS Process: 701

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 0.0058 pounds per hour
50.4 pounds per year

Emission Unit: 4-BULKS Process: 601

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE
PTE(s): 0.063 pounds per hour
551.6 pounds per year

Emission Unit: 1-PROCS Process: 106

CAS No: 007664-93-9
Name: SULFURIC ACID
PTE(s): 0.01 pounds per hour

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1 pounds per year

**Condition 35: Process equipment requirements (>0.5 psi)
Effective between the dates of 04/10/2017 and 04/09/2027**

Applicable Federal Requirement:6 NYCRR 233.3 (a) (1)

Item 35.1:

This Condition applies to Emission Unit: 1-PROCS

Item 35.2:

When surface condensers are used, the allowable condenser outlet gas temperature must not exceed 25 degrees Centigrade for VOC emissions with a VOC vapor pressure greater than 0.5 psi at 20 degrees Centigrade.

**Condition 36: Storage tank requirements
Effective between the dates of 04/10/2017 and 04/09/2027**

Applicable Federal Requirement:6 NYCRR 233.3 (d)

Item 36.1:

This Condition applies to:

Emission Unit: 4BULKS

Item 36.1:

This Condition applies to Emission Unit: 1-PROCS

Item 36.2.3:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

**Condition 37: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 04/10/2017 and 04/09/2027**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 37.1:

This Condition applies to Emission Unit: 2--BOIL

Item 37.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 38: EPA Region 2 address.

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Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 38.1:

This Condition applies to Emission Unit: 2--BOIL

Item 38.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 39: Compliance Demonstration

Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 2--BOIL

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The facility shall record and maintain records of the amount of fuels combusted during each calendar month in

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the source, provided that the facility only burns very low sulfur fuel oil or other liquid or gaseous fuels with a potential sulfur dioxide (SO₂) emissions rate of 0.32 lb/MMBtu (140 ng/J) heat input or less.

2. The records for the amount of fuel burned monthly must be made available for review upon request.

Monitoring Frequency: MONTHLY

Averaging Method: CALENDAR MONTH TOTAL

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3--WWTP

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The trickling filter shall be washed down weekly. This will include increasing the flow to the bio tower for a short period of time (usually less than 5 minutes) to wash away some of the bio mass on the filter. Records of this maintenance shall be kept in a logbook.

Monitoring Frequency: WEEKLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 41: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3--WWTP

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

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The trickling filter shall be inspected daily. Records of these inspections shall be kept in a logbook.

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 42: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR Part 233

Item 42.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3--WWTP

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

Item 42.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The pH of the wastewater being sent to the biotower shall be monitored and shall not fall below 6.0.

Parameter Monitored: ACIDITY/ALKALINITY

Upper Permit Limit: 6.0 pH (STANDARD) units

Monitoring Frequency: DAILY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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

Condition 43: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027



Applicable Federal Requirement:6 NYCRR 233.3 (c)

Item 43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 4-BULKS

Item 43.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

For the transfer of volatile organic compounds with vapor pressures greater than 4.1 psi at 20 degrees C from trucks or railcars to storage tanks with capacities greater than 2000 gallons, other than tanks with floating roofs, vapors recovery, or equivalent controls, a vapor balance system or equivalent control that provides at least 90.0 percent control of the volatile organic compound emissions is required.

Parameter Monitored: VOC

Upper Permit Limit: 90 percent degree of air cleaning or
greater

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

Subsequent reports are due every 12 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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.



Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 44: Contaminant List
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:ECL 19-0301

Item 44.1:

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

CAS No: 000050-00-0
Name: FORMALDEHYDE

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)

CAS No: 000067-56-1
Name: METHYL ALCOHOL

CAS No: 000067-63-0

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Name: ISOPROPYL ALCOHOL

CAS No: 000068-12-2

Name: FORMAMIDE, N,N-DIMETHYL

CAS No: 000071-23-8

Name: PROPANOL

CAS No: 000075-05-8

Name: ACETONITRILE

CAS No: 000075-09-2

Name: DICHLOROMETHANE

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 000075-65-0

Name: 2-METHYL-2-PROPANOL

CAS No: 000077-78-1

Name: SULFURIC ACID, DIMETHYL ESTER

CAS No: 000095-53-4

Name: BENZENAMINE, 2-METHYL

CAS No: 000100-44-7

Name: BENZYL CHLORIDE

CAS No: 000108-21-4

Name: ISOPROPYL ACETATE

CAS No: 000108-88-3

Name: TOLUENE

CAS No: 000109-99-9

Name: TETRAHYDROFURAN

CAS No: 000110-54-3

Name: HEXANE

CAS No: 000121-44-8

Name: N,N-DIETHYL ETHANAMINE

CAS No: 000142-82-5

Name: N-HEPTANE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 000872-50-4

Name: 1-METHYL-2-PYRROLIDONE

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CAS No: 001330-20-7
Name: XYLENE, M, O & P MIXT.

CAS No: 001634-04-4
Name: METHYL TERTBUTYL ETHER

CAS No: 006032-29-7
Name: 2-PENTANOL

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

CAS No: 007664-93-9
Name: SULFURIC ACID

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 45: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR 201-1.4

Item 45.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.



(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 46: Emission Unit Definition
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 46.1:

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

Emission Unit: 1-PROCS

Emission Unit Description:

Emission Unit 1-PROCS consists of bulk pharmaceutical manufacturing operations involving chemical synthesis and extraction methodologies, including production techniques such as reaction, distillation, crystallization, separation, purification and drying.

- Building(s): 1
- 19
- 2
- 20
- 33
- 38
- 39
- 4
- 9

Item 46.2:

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

Emission Unit: 2--BOIL

Emission Unit Description:

Emission unit 2-BOIL consists of two (2) existing combustion installations operated under the current permit. The boilers are +/-33.5 mmBTUs per hour boilers manufactured by Burnham Industrial. This emission unit

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will has four (4) processes (901,902,903,904), two (2) emissions points (70001 & 70002), and two (2) emission sources (B0001 & B0002) associated with it.

Item 46.3:

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

Emission Unit: 3--WWTP

Emission Unit Description:

Emission Unit 3-WWTP includes all secondary emission sources associated with the site's wastewater treatment plant (WWTP).

Item 46.4:

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

Emission Unit: 4-BULKS

Emission Unit Description:

Emission Unit 4 - BULK includes all bulk storage activities site-wide.

Condition 47: General Conditions - Synthetic Minor Facilities Obtaining State Facility Permits

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR 201-5.1 (a) (1)

Item 47.1:

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

Item 47.2:

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

Item 47.3:

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

Item 47.4:

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

Condition 48: Renewal deadlines for state facility permits

Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR 201-5.2 (c)



Item 48.1:

The owner or operator of a facility having an issued state facility 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.

Condition 49: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 49.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 4
1130 N. Westcott Rd.
Schenectady, NY 12306

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR 201-5.4 (e)

Item 50.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Changes at a facility that meet all of the criteria listed below may not require a permit modification and may be conducted without the prior approval of the Department.

1. Changes that do not cause facility emissions to exceed any emission limitation or other condition in the



facility's permit.

2. Changes that do not cause the facility to become subject to any additional regulations or requirements.
3. Changes that do not seek to establish or modify a federally enforceable emission cap or limit.

The facility owner or operator must maintain records of the date and description of each such change for a period of at least five years. Records must be made available for review to Department representatives upon request, and must include the following information at a minimum:

1. Identification of the emission unit, process(es), emission source(s), and emission point(s) affected by the change;
2. The date on which the change occurred; and
3. A description of the change.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Visible Emissions Limited
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR 211.2

Item 51.1:

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.

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

Condition 52: Emission Point Definition By Emission Unit
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 52.1:

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

Emission Unit: 1-PROCS

Emission Point: 01001

Height (ft.): 85

Diameter (in.): 14

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NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 01002		
Height (ft.): 85	Diameter (in.): 8	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 01003		
Height (ft.): 80	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 1
Emission Point: 01004		
Height (ft.): 85	Diameter (in.): 14	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 02014		
Height (ft.): 30	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 04001		
Height (ft.): 30	Diameter (in.): 3	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19012		
Height (ft.): 35	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19013		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19016		
Height (ft.): 12	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19017		
Height (ft.): 27	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19018		
Height (ft.): 27	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 19019		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 20001		
Height (ft.): 34	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	
Emission Point: 33001		
Height (ft.): 30	Diameter (in.): 2	



NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33002
Height (ft.): 37 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33003
Height (ft.): 37 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33004
Height (ft.): 37 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33006
Height (ft.): 37 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33007
Height (ft.): 31 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33008
Height (ft.): 37 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33010
Height (ft.): 37 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33017
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33020
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33021
Height (ft.): 32 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33022
Height (ft.): 34 Diameter (in.): 6
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33023
Height (ft.): 6 Diameter (in.): 10
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33024
Height (ft.): 34 Diameter (in.): 6

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NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33025
Height (ft.): 34 Diameter (in.): 6
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33026
Height (ft.): 34 Diameter (in.): 6
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33027
Height (ft.): 30 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33029
Height (ft.): 30 Diameter (in.): 2
NYTMN (km.): 4720.794 NYTME (km.): 602.766 Building: 33

Emission Point: 33035
Height (ft.): 31 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33037
Height (ft.): 30 Diameter (in.): 6
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33038
Height (ft.): 35 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33040
Height (ft.): 31 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33042
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33043
Height (ft.): 50 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33047
Height (ft.): 28 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33048
Height (ft.): 28 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33049
Height (ft.): 28 Diameter (in.): 3

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NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33054
Height (ft.): 29 Diameter (in.): 4
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33055
Height (ft.): 31 Diameter (in.): 3
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33066
Height (ft.): 30 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33069
Height (ft.): 32 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33079
Height (ft.): 31 Diameter (in.): 3
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33081
Height (ft.): 30 Diameter (in.): 3
NYTMN (km.): 4720.78 NYTME (km.): 602.792 Building: 33

Emission Point: 33084
Height (ft.): 31 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 33085
Height (ft.): 31 Diameter (in.): 1
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Item 52.2:

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

Emission Unit: 2--BOIL

Emission Point: 70001
Height (ft.): 56 Diameter (in.): 30
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Emission Point: 70002
Height (ft.): 56 Diameter (in.): 30
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Item 52.3:

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

Emission Unit: 3--WWTP

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Emission Point: WW003
Height (ft.): 45 Diameter (in.): 48
NYTMN (km.): 4720.1 NYTME (km.): 603.3

Item 52.4:

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

Emission Unit: 4-BULKs

Emission Point: TANKR
Height (ft.): 15 Diameter (in.): 2
NYTMN (km.): 4718. NYTME (km.): 624.

Emission Point: YD001
Height (ft.): 20 Diameter (in.): 3
NYTMN (km.): 4720.742 NYTME (km.): 602.775

Emission Point: YD002
Height (ft.): 20 Diameter (in.): 3
NYTMN (km.): 4720.742 NYTME (km.): 602.775

Emission Point: YD005
Height (ft.): 24 Diameter (in.): 2
NYTMN (km.): 4720.742 NYTME (km.): 602.775

Emission Point: YD007
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4720.743 NYTME (km.): 602.774

Emission Point: YD011
Height (ft.): 21 Diameter (in.): 10
NYTMN (km.): 4720.742 NYTME (km.): 602.774

Emission Point: YD013
Height (ft.): 24 Diameter (in.): 2
NYTMN (km.): 4720.7 NYTME (km.): 602.7

Condition 53: Process Definition By Emission Unit
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 53.1:

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

Emission Unit: 1-PROCS
Process: 101 Source Classification Code: 3-01-060-99

Process Description:
Aminobisamide - batch pharmaceutical production (chemical synthesis)

Emission Source/Control: 01S04 - Control



- Control Type: WET SCRUBBER
- Emission Source/Control: 01C01 - Process
- Emission Source/Control: 01E06 - Process
- Emission Source/Control: 01E08 - Process
- Emission Source/Control: 01E41 - Process
- Emission Source/Control: 01E46 - Process
- Emission Source/Control: 01E50 - Process
- Emission Source/Control: 01F02 - Process
- Emission Source/Control: 01F05 - Process
- Emission Source/Control: 01F09 - Process
- Emission Source/Control: 01F11 - Process
- Emission Source/Control: 01F12 - Process
- Emission Source/Control: 01K01 - Process
- Emission Source/Control: 01K04 - Process
- Emission Source/Control: 01K05 - Process
- Emission Source/Control: 01K16 - Process
- Emission Source/Control: 01R08 - Process
- Emission Source/Control: 01R10 - Process
- Emission Source/Control: 01R35 - Process
- Emission Source/Control: 01R37 - Process

Item 53.2:

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

- Emission Unit: 1-PROCS
- Process: 105 Source Classification Code: 3-01-060-99
- Process Description:
 - Methanol Recovery System - methanol distillation column.
- Emission Source/Control: 20E01 - Process
- Emission Source/Control: 20E04 - Process

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Emission Source/Control: 20L01 - Process

Emission Source/Control: 20R01 - Process

Emission Source/Control: 20T01 - Process

Emission Source/Control: 20T02 - Process

Emission Source/Control: 20T03 - Process

Emission Source/Control: 20T04 - Process

Emission Source/Control: 20T05 - Process

Emission Source/Control: 20T07 - Process

Item 53.3:

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

Emission Unit: 1-PROCS

Process: 106

Source Classification Code: 3-01-060-99

Process Description:

Mafenide Intermediate I - batch pharmaceutical production
(chemical synthesis).

Emission Source/Control: 01S03 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01S05 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Item 53.4:

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

Emission Unit: 1-PROCS

Process: 107

Source Classification Code: 3-01-060-99

Process Description:

Hydroxychloroquine Base - batch pharmaceutical production
(chemical synthesis).

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Emission Source/Control: 01S05 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Emission Source/Control: 01R05 - Process

Emission Source/Control: 01R06 - Process

Emission Source/Control: 01R07 - Process

Item 53.5:

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

Emission Unit: 1-PROCS

Process: 108

Source Classification Code: 3-01-060-05

Process Description:

Danazol Crude - batch pharmaceutical production (chemical synthesis).

Emission Source/Control: 01S03 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E17 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01E44 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01F04 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Emission Source/Control: 01K12 - Process



Emission Source/Control: 01K13 - Process
Emission Source/Control: 01K14 - Process
Emission Source/Control: 01R05 - Process
Emission Source/Control: 01R06 - Process
Emission Source/Control: 01R15 - Process
Emission Source/Control: 01R16 - Process
Emission Source/Control: 01R39 - Process
Emission Source/Control: 01R40 - Process

Item 53.6:

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

Emission Unit: 1-PROCS
Process: 109 Source Classification Code: 3-01-060-99
Process Description:
Metolazone Intermediate I - batch pharmaceutical
production (chemical synthesis).

Emission Source/Control: 01S03 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Item 53.7:

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

Emission Unit: 1-PROCS
Process: 110 Source Classification Code: 3-01-060-99
Process Description:
Metaolazone Intermediate II - batch pharmaceutical
production (chemical synthesis).

Emission Source/Control: 01S03 - Control
Control Type: WET SCRUBBER



Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Item 53.8:

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

Emission Unit: 1-PROCS

Process: 111

Source Classification Code: 3-01-060-99

Process Description:

Metaolazone Intermediate III - batch pharmaceutical
production(Chemical Synthesis).

Emission Source/Control: 01S03 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01E51 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Emission Source/Control: 01R07 - Process

Emission Source/Control: 01R26 - Process

Item 53.9:

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

Emission Unit: 1-PROCS

Process: 112

Source Classification Code: 3-01-060-99

Process Description:

SYR110322-3 : Batch Pharmaceutical Production (Chemical
Synthesis)

Emission Source/Control: 01S04 - Control

Control Type: WET SCRUBBER

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Emission Source/Control: 01E36 - Process

Emission Source/Control: 01E41 - Process

Emission Source/Control: 01E70 - Process

Emission Source/Control: 01F02 - Process

Emission Source/Control: 01K09 - Process

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K11 - Process

Emission Source/Control: 01R10 - Process

Emission Source/Control: 01R24 - Process

Item 53.10:

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

Emission Unit: 1-PROCS

Process: 113

Source Classification Code: 3-01-060-99

Process Description:

SYR110322 - HCl : Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 01S04 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01E36 - Process

Emission Source/Control: 01E41 - Process

Emission Source/Control: 01E70 - Process

Emission Source/Control: 01F02 - Process

Emission Source/Control: 01K09 - Process

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K11 - Process

Emission Source/Control: 01R10 - Process

Emission Source/Control: 01R24 - Process

Item 53.11:

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



Emission Unit: 1-PROCS
Process: 114 Source Classification Code: 3-01-060-99
Process Description:
FBNA : Batch Pharmaceutical Production (Chemical
Synthesis)

Emission Source/Control: 01S04 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01E17 - Process

Emission Source/Control: 01E19 - Process

Emission Source/Control: 01E41 - Process

Emission Source/Control: 01F02 - Process

Emission Source/Control: 01K12 - Process

Emission Source/Control: 01K13 - Process

Emission Source/Control: 01K14 - Process

Emission Source/Control: 01R16 - Process

Item 53.12:

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

Emission Unit: 1-PROCS
Process: 115 Source Classification Code: 3-01-060-99
Process Description:
Retigabine Crude : Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 01S03 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01S06 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01D01 - Process

Emission Source/Control: 01E43 - Process

Emission Source/Control: 01E51 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

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Emission Source/Control: 01K08 - Process

Emission Source/Control: 01R03 - Process

Emission Source/Control: 01R05 - Process

Emission Source/Control: 01R06 - Process

Item 53.13:

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

Emission Unit: 1-PROCS

Process: 116

Source Classification Code: 3-01-060-99

Process Description:

BOC-L-LYS(BOC)-OSU INT: Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 01S04 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01E34 - Process

Emission Source/Control: 01E36 - Process

Emission Source/Control: 01E70 - Process

Emission Source/Control: 01K09 - Process

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K11 - Process

Emission Source/Control: 01R10 - Process

Emission Source/Control: 01T11 - Process

Emission Source/Control: 01T13 - Process

Item 53.14:

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

Emission Unit: 1-PROCS

Process: 205

Source Classification Code: 3-01-060-99

Process Description:

Levophed Bitartrate Pure - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

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Emission Source/Control: 02D02 - Process

Emission Source/Control: 02E13 - Process

Emission Source/Control: 02E27 - Process

Emission Source/Control: 02K13 - Process

Emission Source/Control: 02K14 - Process

Item 53.15:

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

Emission Unit: 1-PROCS

Process: 206

Source Classification Code: 3-01-060-99

Process Description:

ARTERENOL BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02K17 - Process

Emission Source/Control: 02K18 - Process

Item 53.16:

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

Emission Unit: 1-PROCS

Process: 208

Source Classification Code: 3-01-060-99

Process Description:

Amibenonium chloride - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02E06 - Process

Emission Source/Control: 02E07 - Process

Emission Source/Control: 02F08 - Process

Emission Source/Control: 02K01 - Process

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Emission Source/Control: 02K02 - Process

Emission Source/Control: 02R01 - Process

Emission Source/Control: 02R02 - Process

Emission Source/Control: 02R05 - Process

Emission Source/Control: 02R06 - Process

Item 53.17:

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

Emission Unit: 1-PROCS

Process: 209

Source Classification Code: 3-01-060-99

Process Description:

Ambenonium Intermediate 1 - Bulk Pharmaceutical
Production (Chemical Synthesis).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02E13 - Process

Emission Source/Control: 02K13 - Process

Emission Source/Control: 02R13 - Process

Item 53.18:

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

Emission Unit: 1-PROCS

Process: 216

Source Classification Code: 3-01-060-99

Process Description:

Levophed Bitartrate Crude - Bulk Pharmaceutical
Production (Chemical Synthesis).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02D02 - Process

Emission Source/Control: 02E27 - Process

Emission Source/Control: 02F61 - Process



Emission Source/Control: 02K14 - Process

Item 53.19:

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

Emission Unit: 1-PROCS
Process: 221 Source Classification Code: 3-01-060-99
Process Description:
Racipinephrine - Bulk Pharmaceutical Production (chemical synthesis).

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02D01 - Process

Emission Source/Control: 02E27 - Process

Emission Source/Control: 02E76 - Process

Emission Source/Control: 02K09 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 02R22 - Process

Item 53.20:

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

Emission Unit: 1-PROCS
Process: 301 Source Classification Code: 3-01-060-99
Process Description:
Nitrile chloride - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 33S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 33C01 - Process

Emission Source/Control: 33D83 - Process

Emission Source/Control: 33D84 - Process

Emission Source/Control: 33D85 - Process

Emission Source/Control: 33D86 - Process



- Emission Source/Control: 33D87 - Process
- Emission Source/Control: 33E03 - Process
- Emission Source/Control: 33E40 - Process
- Emission Source/Control: 33E42 - Process
- Emission Source/Control: 33E82 - Process
- Emission Source/Control: 33K01 - Process
- Emission Source/Control: 33K03 - Process
- Emission Source/Control: 33K04 - Process
- Emission Source/Control: 33K07 - Process
- Emission Source/Control: 33K08 - Process
- Emission Source/Control: 33R01 - Process
- Emission Source/Control: 33R02 - Process
- Emission Source/Control: 33R05 - Process
- Emission Source/Control: 33R06 - Process
- Emission Source/Control: 33R07 - Process
- Emission Source/Control: 33T03 - Process
- Emission Source/Control: 33T07 - Process

Item 53.21:

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

- Emission Unit: 1-PROCS
- Process: 302 Source Classification Code: 3-01-060-99
- Process Description:
 - Benzyl Ester - Bulk Pharmaceutical Production (Chemical Synthesis).
- Emission Source/Control: 33S02 - Control
- Control Type: WET SCRUBBER
- Emission Source/Control: 01R03 - Process
- Emission Source/Control: 33E05 - Process
- Emission Source/Control: 33E10 - Process



- Emission Source/Control: 33E14 - Process
- Emission Source/Control: 33E38 - Process
- Emission Source/Control: 33E50 - Process
- Emission Source/Control: 33E63 - Process
- Emission Source/Control: 33E79 - Process
- Emission Source/Control: 33F01 - Process
- Emission Source/Control: 33K09 - Process
- Emission Source/Control: 33K10 - Process
- Emission Source/Control: 33K11 - Process
- Emission Source/Control: 33K25 - Process
- Emission Source/Control: 33R01 - Process
- Emission Source/Control: 33R02 - Process
- Emission Source/Control: 33R22 - Process

Item 53.22:

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

- Emission Unit: 1-PROCS
- Process: 303 Source Classification Code: 3-01-060-99
- Process Description:
 - Demerol HCl - Bulk Pharmaceutical Production (Chemical Synthesis).
- Emission Source/Control: 33100 - Process
- Emission Source/Control: 33101 - Process
- Emission Source/Control: 33102 - Process
- Emission Source/Control: 33D01 - Process
- Emission Source/Control: 33D03 - Process
- Emission Source/Control: 33D85 - Process
- Emission Source/Control: 33E32 - Process
- Emission Source/Control: 33E43 - Process
- Emission Source/Control: 33E45 - Process



Emission Source/Control: 33T09 - Process

Emission Source/Control: 33T22 - Process

Item 53.23:

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

Emission Unit: 1-PROCS
Process: 304 Source Classification Code: 3-01-060-99
Process Description:
Dibenzyl Arterenone HCl - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 19E16 - Process

Emission Source/Control: 19K03 - Process

Emission Source/Control: 19K08 - Process

Emission Source/Control: 33D83 - Process

Emission Source/Control: 33D84 - Process

Emission Source/Control: 33E06 - Process

Emission Source/Control: 33E08 - Process

Emission Source/Control: 33E13 - Process

Emission Source/Control: 33K02 - Process

Emission Source/Control: 33K05 - Process

Emission Source/Control: 33K06 - Process

Item 53.24:

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

Emission Unit: 1-PROCS
Process: 305 Source Classification Code: 3-01-060-99
Process Description:
Danazol Intermediate I - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 33S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 33E05 - Process

Emission Source/Control: 33E10 - Process

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Emission Source/Control: 33E38 - Process

Emission Source/Control: 33E50 - Process

Emission Source/Control: 33E79 - Process

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K10 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R03 - Process

Emission Source/Control: 33T09 - Process

Item 53.25:

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

Emission Unit: 1-PROCS

Process: 306

Source Classification Code: 3-01-060-99

Process Description:

Mafenide Acetate - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 33105 - Process

Emission Source/Control: 33106 - Process

Emission Source/Control: 33D02 - Process

Emission Source/Control: 33E01 - Process

Emission Source/Control: 33E02 - Process

Emission Source/Control: 33E34 - Process

Emission Source/Control: 33F37 - Process

Emission Source/Control: 33R05 - Process

Emission Source/Control: 33R06 - Process

Item 53.26:

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

Emission Unit: 1-PROCS

Process: 307

Source Classification Code: 3-01-060-99



Process Description:

Mafenide Base - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 33C01 - Process

Emission Source/Control: 33D83 - Process

Emission Source/Control: 33D84 - Process

Emission Source/Control: 33D85 - Process

Emission Source/Control: 33D86 - Process

Emission Source/Control: 33D87 - Process

Emission Source/Control: 33E05 - Process

Emission Source/Control: 33E38 - Process

Emission Source/Control: 33E50 - Process

Emission Source/Control: 33E63 - Process

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33K25 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R02 - Process

Emission Source/Control: 33T01 - Process

Item 53.27:

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

Emission Unit: 1-PROCS

Process: 308

Source Classification Code: 3-01-060-99

Process Description:

Dibenzyl Arterenone HCl Crude - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 33D83 - Process

Emission Source/Control: 33D84 - Process

Emission Source/Control: 33D85 - Process



Emission Source/Control: 33D86 - Process

Emission Source/Control: 33D87 - Process

Item 53.28:

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

Emission Unit: 1-PROCS
Process: 309 Source Classification Code: 3-01-060-99
Process Description:
Cetylkonium Chloride- Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 33105 - Process

Emission Source/Control: 33106 - Process

Emission Source/Control: 33D87 - Process

Emission Source/Control: 33E02 - Process

Item 53.29:

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

Emission Unit: 1-PROCS
Process: 310 Source Classification Code: 3-01-060-99
Process Description:
Diatrizoate Sodium - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 33104 - Process

Emission Source/Control: 33105 - Process

Emission Source/Control: 33106 - Process

Emission Source/Control: 33D02 - Process

Emission Source/Control: 33E01 - Process

Emission Source/Control: 33E02 - Process

Emission Source/Control: 33E21 - Process

Emission Source/Control: 33E34 - Process

Emission Source/Control: 33F37 - Process

Emission Source/Control: 33R04 - Process

Emission Source/Control: 33R05 - Process



Emission Source/Control: 33T06 - Process

Item 53.30:

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

Emission Unit: 1-PROCS
Process: 311 Source Classification Code: 3-01-060-99
Process Description:
Levophed Bitartrate Crude - Bulk Pharmaceutical
Production (Chemical Synthesis).

- Emission Source/Control: 33D03 - Process
- Emission Source/Control: 33D04 - Process
- Emission Source/Control: 33D05 - Process
- Emission Source/Control: 33K02 - Process

Item 53.31:

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

Emission Unit: 1-PROCS
Process: 316 Source Classification Code: 3-01-060-99
Process Description:
Hydroxychloroquine Sulfate - Bulk Pharmaceutical
Production (Chemical Synthesis).

- Emission Source/Control: 33101 - Process
- Emission Source/Control: 33102 - Process
- Emission Source/Control: 33D02 - Process
- Emission Source/Control: 33E34 - Process
- Emission Source/Control: 33E43 - Process
- Emission Source/Control: 33F36 - Process
- Emission Source/Control: 33R22 - Process
- Emission Source/Control: 33T09 - Process

Item 53.32:

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

Emission Unit: 1-PROCS
Process: 317 Source Classification Code: 3-01-060-99
Process Description:
Pralidoxime Chloride - Bulk Pharmaceutical Production



(Chemical Synthesis).

Emission Source/Control: 33101 - Process

Emission Source/Control: 33102 - Process

Emission Source/Control: 33D01 - Process

Emission Source/Control: 33E32 - Process

Emission Source/Control: 33F37 - Process

Emission Source/Control: 33R23 - Process

Item 53.33:

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

Emission Unit: 1-PROCS

Process: 318

Source Classification Code: 3-01-060-99

Process Description:

Pralidoxime Crude - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 33S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 33E05 - Process

Emission Source/Control: 33E38 - Process

Emission Source/Control: 33E50 - Process

Emission Source/Control: 33E79 - Process

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R03 - Process

Emission Source/Control: 33T09 - Process

Item 53.34:

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

Emission Unit: 1-PROCS

Process: 321

Source Classification Code: 3-01-060-99

Process Description:



Ethanollic HCl (33-35%) - Bulk Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 33102 - Process

Emission Source/Control: 33R02 - Process

Item 53.35:

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

Emission Unit: 1-PROCS
Process: 326 Source Classification Code: 3-01-060-99
Process Description:
Ethyl Butyl Malonate Crude - Bulk Pharmaceutical
Production (Chemical Synthesis)

Emission Source/Control: 33E12 - Process

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33R08 - Process

Item 53.36:

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

Emission Unit: 1-PROCS
Process: 330 Source Classification Code: 3-01-060-99
Process Description:
Cis Trans DTHD - Bulk Pharmaceutical Production (Chemical
Synthesis)

Emission Source/Control: 33D03 - Process

Emission Source/Control: 33D04 - Process

Emission Source/Control: 33E12 - Process

Emission Source/Control: 33K14 - Process

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33R14 - Process

Item 53.37:

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

Emission Unit: 1-PROCS
Process: 332 Source Classification Code: 3-01-060-99
Process Description:
2 Mesyl Pentane - bulk pharmaceutical production

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(chemical synthesis)

Emission Source/Control: 33E06 - Process

Emission Source/Control: 33K06 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33T41 - Process

Item 53.38:

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

Emission Unit: 1-PROCS

Process: 334

Source Classification Code: 3-01-060-99

Process Description:

BOC-L-LYS(BOC)-OSU INT: Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 33S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 33E42 - Process

Emission Source/Control: 33K01 - Process

Emission Source/Control: 33K03 - Process

Emission Source/Control: 33K04 - Process

Emission Source/Control: 33K07 - Process

Emission Source/Control: 33R07 - Process

Item 53.39:

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

Emission Unit: 1-PROCS

Process: 401

Source Classification Code: 3-01-060-99

Process Description:

Trientine HCl - Bulk Pharmaceutical Production (Chemical
Synthesis).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E01 - Process

Emission Source/Control: 04E03 - Process

Emission Source/Control: 04E24 - Process

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Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 53.40:

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

Emission Unit: 1-PROCS

Process: 402

Source Classification Code: 3-01-060-99

Process Description:

Trientine HCl Crude - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04K01 - Process

Item 53.41:

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

Emission Unit: 1-PROCS

Process: 403

Source Classification Code: 3-01-060-99

Process Description:

Danazol - Bulk Pharmaceutical Production (Chemical
Synthesis).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04E01 - Process

Emission Source/Control: 04E02 - Process

Emission Source/Control: 04E04 - Process

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process



Emission Source/Control: 04R01 - Process

Item 53.42:

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

Emission Unit: 1-PROCS
Process: 404 Source Classification Code: 3-01-060-99
Process Description:
Acetone Sodium Bisulfide - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 53.43:

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

Emission Unit: 1-PROCS
Process: 407 Source Classification Code: 3-01-060-99
Process Description:
Metolazone Intermediate IV - Bulk Pharmaceutical
Production (Chemical Synthesis).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E01 - Process

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R06 - Process



Item 53.44:

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

Emission Unit: 1-PROCS
Process: 408 Source Classification Code: 3-01-060-99
Process Description:
Metolazone Int. V - Bulk Pharmaceutical Production
(Chemical Synthesis).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 53.45:

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

Emission Unit: 1-PROCS
Process: 411 Source Classification Code: 3-01-060-99
Process Description:
Pentobarbital Sodium - Bulk Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E16 - Process

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K04 - Process

Emission Source/Control: 04K06 - Process

Emission Source/Control: 04R09 - Process

Emission Source/Control: 04R11 - Process

Emission Source/Control: 04R12 - Process

Item 53.46:

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



Emission Unit: 1-PROCS
Process: 412 Source Classification Code: 3-01-060-99
Process Description:
Metolazone Crude - Bulk Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E02 - Process

Emission Source/Control: 04E04 - Process

Emission Source/Control: 04F10 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04R01 - Process

Item 53.47:

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

Emission Unit: 1-PROCS
Process: 413 Source Classification Code: 3-01-060-99
Process Description:
Metolazone - Bulk Pharmaceutical Production (Chemical
Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E01 - Process

Emission Source/Control: 04E02 - Process

Emission Source/Control: 04E03 - Process

Emission Source/Control: 04E04 - Process

Emission Source/Control: 04F10 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R06 - Process



Item 53.48:

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

Emission Unit: 1-PROCS
Process: 414 Source Classification Code: 3-01-060-99
Process Description:
SYR110322 Unmilled : Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E14 - Process

Emission Source/Control: 04E15 - Process

Emission Source/Control: 04E16 - Process

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K04 - Process

Emission Source/Control: 04K05 - Process

Emission Source/Control: 04K06 - Process

Emission Source/Control: 04R09 - Process

Emission Source/Control: 04R11 - Process

Emission Source/Control: 04R12 - Process

Item 53.49:

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

Emission Unit: 1-PROCS
Process: 415 Source Classification Code: 3-01-060-09
Process Description:
Retigabine : Batch Pharmaceutical Production (Chemical
Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E14 - Process

Emission Source/Control: 04E16 - Process

Emission Source/Control: 04E24 - Process



Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K04 - Process

Emission Source/Control: 04K06 - Process

Emission Source/Control: 04R09 - Process

Emission Source/Control: 04R11 - Process

Emission Source/Control: 04R12 - Process

Item 53.50:

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

Emission Unit: 1-PROCS

Process: 416

Source Classification Code: 3-01-060-99

Process Description:

NRP - 104 East : Batch Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E14 - Process

Emission Source/Control: 04E15 - Process

Emission Source/Control: 04E16 - Process

Emission Source/Control: 04E24 - Process

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K04 - Process

Emission Source/Control: 04K05 - Process

Emission Source/Control: 04K06 - Process

Emission Source/Control: 04R09 - Process

Emission Source/Control: 04R11 - Process

Item 53.51:

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

Emission Unit: 1-PROCS

Process: 417

Source Classification Code: 3-01-060-99

Process Description:

NRP - 104 West : Batch Pharmaceutical Production
(Chemical Synthesis)

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Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04E01 - Process

Emission Source/Control: 04E02 - Process

Emission Source/Control: 04E03 - Process

Emission Source/Control: 04E04 - Process

Emission Source/Control: 04F10 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R06 - Process

Item 53.52:

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

Emission Unit: 1-PROCS

Process: 501

Source Classification Code: 3-01-060-99

Process Description:

Tyloxapol - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 19E15 - Process

Emission Source/Control: 19K10 - Process

Item 53.53:

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

Emission Unit: 1-PROCS

Process: 502

Source Classification Code: 3-01-060-99

Process Description:

Hydroxylchloroquine Base - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 19E01 - Process

Emission Source/Control: 19K05 - Process

Emission Source/Control: 19R02 - Process



Item 53.54:

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

Emission Unit: 1-PROCS
Process: 503 Source Classification Code: 3-01-060-99
Process Description:
Dibenzyl Arterenone HCl Crude - bulk pharmaceutical
production (chemical synthesis)

Emission Source/Control: 19E14 - Process

Emission Source/Control: 19E17 - Process

Emission Source/Control: 19K02 - Process

Emission Source/Control: 19K06 - Process

Emission Source/Control: 19R02 - Process

Emission Source/Control: 33F85 - Process

Emission Source/Control: 33F89 - Process

Item 53.55:

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

Emission Unit: 1-PROCS
Process: 505 Source Classification Code: 3-01-060-99
Process Description:
Adrenalone HCl - bulk pharmaceutical production (chemical
synthesis)

Emission Source/Control: 19E17 - Process

Emission Source/Control: 19K06 - Process

Emission Source/Control: 33D05 - Process

Item 53.56:

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

Emission Unit: 1-PROCS
Process: 701 Source Classification Code: 3-01-060-99
Process Description:
Process 701 includes all process related fugitive
emissions sources covered by the facility's RACT plan.

Emission Source/Control: LDARC - Process

Item 53.57:

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



Emission Unit: 2--BOIL
Process: 901 Source Classification Code: 1-02-006-02
Process Description:
One 800 mean horsepower model IN5p-800-50-GO-Webb boiler, manufactured by Burnham industrial. The unit is equipped with a low NOx burner. This process involves firing the boiler using natural gas.

Emission Source/Control: B0001 - Combustion
Design Capacity: 33.5 million Btu per hour

Item 53.58:

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

Emission Unit: 2--BOIL
Process: 902 Source Classification Code: 1-02-006-02
Process Description:
One 800 mean horsepower model IN5p-800-50-GO-Webb boiler, manufactured by Burnham industrial. The unit is equipped with a low NOx burner. This process involves firing the boiler using natural gas.

Emission Source/Control: B0002 - Combustion
Design Capacity: 33.5 million Btu per hour

Item 53.59:

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

Emission Unit: 2--BOIL
Process: 903 Source Classification Code: 1-02-005-03
Process Description:
One 800 mean horsepower Model IN5P-800-GO Webb boiler, manufactured by Burnham Industrial. This unit is equipped with a low NOx burner. This process involves firing the boiler using No. 2 fuel oil during periods of natural gas curtailment.

Emission Source/Control: B0001 - Combustion
Design Capacity: 33.5 million Btu per hour

Item 53.60:

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

Emission Unit: 2--BOIL
Process: 904 Source Classification Code: 1-02-005-03
Process Description:
One 800 mean horsepower Model IN5P-800-GO Webb boiler, manufactured by Burnham Industrial. This unit is equipped with a low NOx burner. This process involves firing the boiler using No. 2 fuel oil during periods of natural gas curtailment.

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016



Emission Source/Control: B0002 - Combustion
Design Capacity: 33.5 million Btu per hour

Item 53.61:

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

Emission Unit: 3--WWTP
Process: 801 Source Classification Code: 3-01-060-99
Process Description:
WWTP - fugitive emissions related to the waste water
treatment plant operations.

Emission Source/Control: WW003 - Process

Item 53.62:

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

Emission Unit: 4-BULKS
Process: 601 Source Classification Code: 3-01-060-10
Process Description:
Bulk Storage Tanks - Fixed Roof Bulk Storage Tanks.

Emission Source/Control: 99T02 - Process

Emission Source/Control: 99T03 - Process

Emission Source/Control: 99T05 - Process

Emission Source/Control: 99T06 - Process

Emission Source/Control: 99T11 - Process

Emission Source/Control: 99T12 - Process

Emission Source/Control: TANKR - Process

