

Facility DEC ID: 4381400016

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-3814-00016/00254
Mod 0 Effective Date: 04/10/2017 Expiration Date: 04/09/2027
Mod 1 Effective Date: 10/25/2018 Expiration Date: 04/09/2027
Mod 2 Effective Date: 11/21/2018 Expiration Date: 04/09/2027
Mod 3 Effective Date: 10/01/2019 Expiration Date: No expiration date.
Mod 4 Effective Date: 05/20/2020 Expiration Date: No expiration date.
Mod 5 Effective Date: 11/19/2020 Expiration Date: No expiration date.
Mod 7 Effective Date: 03/23/2021 Expiration Date: 04/09/2027

Permit Issued To: Curia New York Inc
33 Riverside Ave
Rensselaer, NY 12144

Facility: Curia New York Inc
33 RIVERSIDE AVE
RENSSELAER, NY 12144

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

Description:

Facility DEC ID: 4381400016

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: KATE KORNAK
NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ___ / ___ / ___

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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.

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- 5 2 Relationship of this Permit to Other Department Orders and Determinations
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Facility Level

- 6 6 Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

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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.

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Condition 1-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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 1-1.2:

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

Item 1-1.3

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

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(518) 357-2069

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: Curia New York Inc
33 Riverside Ave
Rensselaer, NY 12144

Facility: Curia New York Inc
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Authorized Activity By Standard Industrial Classification Code:
None Listed On Application

Mod 0 Permit Effective Date: 04/10/2017

Permit Expiration Date: 04/09/2027

Mod 1 Permit Effective Date: 10/25/2018

Permit Expiration Date: 04/09/2027

Mod 2 Permit Effective Date: 11/21/2018

Permit Expiration Date: 04/09/2027

Mod 7 Permit Effective Date: 03/23/2021

Permit Expiration Date: 04/09/2027

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FEDERALLY ENFORCEABLE CONDITIONS

Mod 7/FINAL

**** 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,

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required to operate such device effectively.

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

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

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

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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Facility Permissible Emissions
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 201-7.1

Applicaton Specific Data

Condition 1-1: Capping Monitoring Condition
Effective between the dates of 10/25/2018 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 201-7.1

Replaces Condition(s) 5

Item 1-1.1:

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 1-1.2:

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

Item 1-1.3:

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 1-1.4:

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

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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 1-1.5:

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 1-1.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 1-1.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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

AMRI will record the number of batches associated with each of the processes and track total HAP emissions on a monthly basis.

AMRI will maintain total HAP emission calculations for each process on a monthly basis and have available on site for Department review.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2019.

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

Condition 1-2: Capping Monitoring Condition

Effective between the dates of 10/25/2018 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 201-7.1

Replaces Condition(s) 6

Item 1-2.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the

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Facility DEC ID: 4381400016

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 1-2.2:

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

Item 1-2.3:

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 1-2.4:

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 1-2.5:

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 1-2.6:

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: 000075-05-8	ACETONITRILE
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: 0NY100-00-0	TOTAL HAP

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Item 1-2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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.

AMRI will record the number of batches associated with each of the processes and track individual HAP emissions on a monthly basis.

AMRI will maintain individual HAP emission calculations for each process on a monthly basis and have available on site for Department review.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2019.

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

Condition 2: Capping Monitoring Condition
Effective between the dates of 04/10/2017 and 04/09/2027

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 2.1:

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 2.2:

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

Item 2.3:

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 2.4:

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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 2.5:

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 2.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Emissions of sulfur dioxide shall be capped, facility-wide, at 58 tons per year by limiting the amount of fuel oil burned in the boilers. Emissions shall be calculated using appropriate emission factors for the boilers and tracking the amount of fuel oil burned in the boilers.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 58 tons 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 1-3: Capping Monitoring Condition

Effective between the dates of 10/25/2018 and 04/09/2027

Applicable Federal Requirement: 6 NYCRR 201-7.1

Replaces Condition(s) 3

Item 1-3.1:

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

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otherwise be subject to:

6 NYCRR Subpart 201-6

Item 1-3.2:

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

Item 1-3.3:

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 1-3.4:

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 1-3.5:

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 1-3.6:

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
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

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CAS No: 006032-29-7 2-PENTANOL
CAS No: 0NY998-00-0 VOC**Item 1-3.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to avoid the applicability of the Title V (201-6) 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.

AMRI will record the number of batches associated with each of the processes and track VOC emissions on a monthly basis. AMRI will maintain VOC emission calculations for each process on a monthly basis and have available on site for Department review.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2019.

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 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

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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 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

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otherwise be subject to:

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 (NOx) to 47 tons (94,000 pounds) per year. AMRI will calculate the NOx 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)

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

Applicable Federal 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.

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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)

Reporting Requirements: QUARTERLY (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 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

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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

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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
Emission Unit: 1-PROCS Process: 412	Emission Source: 04S01

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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

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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	

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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
Emission Unit: 1-PROCS Process: 417	Emission Source: 04S01

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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

Emission Unit: 1-PROCS

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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

Emission Unit: 1-PROCS

Process: 216

Emission Source: 02S02

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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

Emission Unit: 1-PROCS
 Process: 114

Emission Source: 01S04

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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
Process: 109

Emission Source: 01S03

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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:

Compliance Demonstration shall include the following monitoring:

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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 the facility shall include the number of valves, pumps, agitators, connectors, sampling connection systems, and

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instrumentation systems for which:

- The number of leaks detected and the number of components monitored.
- The leaks that were not repaired withing the specified time limit.

When the leak was not repaired within the time frame indicated, the report shall explain the reason for the delay of repair, dates of process unit shutdowns, and why a process unit shutdown was technically unfeasible.

The LDAR report shall reflect all applicable monitoring and repair activities from the previous calendar year.

Monitoring Frequency: ANNUALLY
 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 21: Compliance Demonstration
Effective between the dates of 04/10/2017 and 04/09/2027

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

Item 21.1:
 The Compliance Demonstration activity will be performed for the Facility.

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

Item 21.2:
 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 pumps and valves in heavy liquid service, pressure relief devices in light and heavy liquid service, and flanges and other connectors shall be instrumentally monitored on an annual basis using EPA Method 21 of 40 CFR 60. If the instrument confirms leakage greater than the upper limit, repairs must be made within 5 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

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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.

Parameter Monitored: VOC

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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
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

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Facility DEC ID: 4381400016

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 CHANGE
 Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT

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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:

This Condition applies to:

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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

Monitoring Description:

The facility owner and/or operator must demonstrate

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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:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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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)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2017.

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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 JJJJJ

Item 33.1:

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

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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: 101

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.1 pounds per hour

Emission Unit: 1-PROCS Process: 105

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.01 pounds per hour

Emission Unit: 1-PROCS Process: 106

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.14 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 1.15 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.22 pounds per hour

CAS No: 007664-93-9 (From Mod 1)
 Name: SULFURIC ACID
 PTE(s): 0.01 pounds per hour

Emission Unit: 1-PROCS Process: 107

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CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 1.47 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 2.34 pounds per hour

Emission Unit: 1-PROCS Process: 108

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 7.58 pounds per hour

Emission Unit: 1-PROCS Process: 109

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.07 pounds per hour

Emission Unit: 1-PROCS Process: 110

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.004 pounds per hour

Emission Unit: 1-PROCS Process: 111

CAS No: 000075-65-0 (From Mod 1)
 Name: 2-METHYL-2-PROPANOL
 PTE(s): 0.98 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 1.76 pounds per hour

Emission Unit: 1-PROCS Process: 112

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 1.45 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 1.84 pounds per hour

CAS No: 000872-50-4 (From Mod 1)
 Name: 1-METHYL-2-PYRROLIDONE
 PTE(s): 0.01 pounds per hour

Emission Unit: 1-PROCS Process: 113

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CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 5.98 pounds per hour

CAS No: 000109-99-9 (From Mod 1)
 Name: TETRAHYDROFURAN
 PTE(s): 1.31 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 8.53 pounds per hour

Emission Unit: 1-PROCS Process: 114

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.45 pounds per hour

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.001 pounds per hour

CAS No: 000872-50-4 (From Mod 1)
 Name: 1-METHYL-2-PYRROLIDONE
 PTE(s): 0.14 pounds per hour

Emission Unit: 1-PROCS Process: 115

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 4.46 pounds per hour

Emission Unit: 1-PROCS Process: 116

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 0.39 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 5.38 pounds per hour

Emission Unit: 1-PROCS Process: 205

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.18 pounds per hour

Emission Unit: 1-PROCS Process: 206

CAS No: 000067-56-1 (From Mod 1)

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Name: METHYL ALCOHOL
 PTE(s): 0.11 pounds per hour

CAS No: 000068-12-2 (From Mod 1)
 Name: FORMAMIDE, N,N-DIMETHYL
 PTE(s): 0.001 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 0.0004 pounds per hour

Emission Unit: 1-PROCS Process: 208

CAS No: 000068-12-2 (From Mod 1)
 Name: FORMAMIDE, N,N-DIMETHYL
 PTE(s): 0.002 pounds per hour

CAS No: 000075-05-8 (From Mod 1)
 Name: ACETONITRILE
 PTE(s): 0.01 pounds per hour

Emission Unit: 1-PROCS Process: 209

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.004 pounds per hour

Emission Unit: 1-PROCS Process: 216

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.15 pounds per hour

Emission Unit: 1-PROCS Process: 221

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.12 pounds per hour

Emission Unit: 1-PROCS Process: 301

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.74 pounds per hour

CAS No: 000100-44-7 (From Mod 1)
 Name: BENZYL CHLORIDE
 PTE(s): 0.0002 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 2.18 pounds per hour

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CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.92 pounds per hour

Emission Unit: 1-PROCS Process: 302

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 1.58 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 3.1 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.23 pounds per hour

Emission Unit: 1-PROCS Process: 303

CAS No: 000050-00-0 (From Mod 1)
 Name: FORMALDEHYDE
 PTE(s): 0.01 pounds per hour

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 1.16 pounds per hour

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 1.49 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 0.46 pounds per hour

Emission Unit: 1-PROCS Process: 304

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 8.61 pounds per hour

Emission Unit: 1-PROCS Process: 305

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.77 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 2.03 pounds per hour

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CAS No: 000109-99-9 (From Mod 1)
 Name: TETRAHYDROFURAN
 PTE(s): 6.15 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.03 pounds per hour

Emission Unit: 1-PROCS Process: 306

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 2.02 pounds per hour

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.37 pounds per hour

Emission Unit: 1-PROCS Process: 307

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.52 pounds per hour

Emission Unit: 1-PROCS Process: 308

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 18.6 pounds per hour

Emission Unit: 1-PROCS Process: 309

CAS No: 000100-44-7 (From Mod 1)
 Name: BENZYL CHLORIDE
 PTE(s): 0.001 pounds per hour

Emission Unit: 1-PROCS Process: 310

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 7.92 pounds per hour

Emission Unit: 1-PROCS Process: 311

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.08 pounds per hour

Emission Unit: 1-PROCS Process: 316

CAS No: 000064-17-5 (From Mod 1)

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 3.1 pounds per hour

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.41 pounds per hour

Emission Unit: 1-PROCS Process: 317

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.66 pounds per hour

Emission Unit: 1-PROCS Process: 318

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 1.65 pounds per hour

CAS No: 000077-78-1 (From Mod 1)
 Name: SULFURIC ACID, DIMETHYL ESTER
 PTE(s): 0.01 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 2.13 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 3.99 pounds per hour

Emission Unit: 1-PROCS Process: 321

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.05 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 3.94 pounds per hour

Emission Unit: 1-PROCS Process: 326

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 0.42 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 2.99 pounds per hour

Emission Unit: 1-PROCS Process: 330

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Facility DEC ID: 4381400016

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.12 pounds per hour

Emission Unit: 1-PROCS Process: 332

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 0.62 pounds per hour

CAS No: 000121-44-8 (From Mod 1)
 Name: N,N-DIETHYL ETHANAMINE
 PTE(s): 0.93 pounds per hour

CAS No: 006032-29-7 (From Mod 1)
 Name: 2-PENTANOL
 PTE(s): 0.02 pounds per hour

Emission Unit: 1-PROCS Process: 334

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 0.39 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 5.38 pounds per hour

Emission Unit: 1-PROCS Process: 401

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.19 pounds per hour

Emission Unit: 1-PROCS Process: 402

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.05 pounds per hour

Emission Unit: 1-PROCS Process: 403

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

CAS No: 000071-23-8 (From Mod 1)
 Name: PROPANOL
 PTE(s): 8.6 pounds per hour

Emission Unit: 1-PROCS Process: 407

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CAS No: 000142-82-5 (From Mod 1)
 Name: N-HEPTANE
 PTE(s): 0.58 pounds per hour

CAS No: 001330-20-7 (From Mod 1)
 Name: XYLENE, M, O & P MIXT.
 PTE(s): 0.58 pounds per hour

Emission Unit: 1-PROCS Process: 408

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.11 pounds per hour

CAS No: 000095-53-4 (From Mod 1)
 Name: BENZENAMINE, 2-METHYL
 PTE(s): 0.0002 pounds per hour

Emission Unit: 1-PROCS Process: 411

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.19 pounds per hour

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.01 pounds per hour

Emission Unit: 1-PROCS Process: 412

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.11 pounds per hour

Emission Unit: 1-PROCS Process: 413

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.55 pounds per hour

Emission Unit: 1-PROCS Process: 414

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 1.88 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 0.62 pounds per hour

Emission Unit: 1-PROCS Process: 415

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 5.89 pounds per hour

Emission Unit: 1-PROCS Process: 416

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 10.88 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 2.34 pounds per hour

Emission Unit: 1-PROCS Process: 417

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 10.88 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 2.34 pounds per hour

Emission Unit: 1-PROCS Process: 501

CAS No: 000075-21-8 (From Mod 1)
 Name: ETHYLENE OXIDE
 PTE(s): 0.03 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 2.53 pounds per hour

Emission Unit: 1-PROCS Process: 503

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 2.21 pounds per hour

Emission Unit: 1-PROCS Process: 505

CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 4.6 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 1.72 pounds per hour

Emission Unit: 1-PROCS Process: 701

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CAS No: 000064-17-5 (From Mod 1)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.133 pounds per hour

CAS No: 000067-56-1 (From Mod 1)
 Name: METHYL ALCOHOL
 PTE(s): 0.56 pounds per hour

CAS No: 000067-63-0 (From Mod 1)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.182 pounds per hour

CAS No: 000108-21-4 (From Mod 1)
 Name: ISOPROPYL ACETATE
 PTE(s): 0.067 pounds per hour

CAS No: 000108-88-3 (From Mod 1)
 Name: TOLUENE
 PTE(s): 0.072 pounds per hour

CAS No: 007647-01-0 (From Mod 1)
 Name: HYDROGEN CHLORIDE
 PTE(s): 0.0058 pounds per hour

Emission Unit: 2--BOIL Process: 901

CAS No: 000110-54-3 (From Mod 0)
 Name: HEXANE
 PTE(s): 0.059 pounds per hour

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

CAS No: 007446-09-5 (From Mod 0)
 Name: SULFUR DIOXIDE
 PTE(s): 0.02 pounds per hour

Emission Unit: 2--BOIL Process: 902

CAS No: 000110-54-3 (From Mod 0)
 Name: HEXANE
 PTE(s): 0.059 pounds per hour

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

CAS No: 007446-09-5 (From Mod 0)
 Name: SULFUR DIOXIDE
 PTE(s): 0.02 pounds per hour

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Unit: 2--BOIL Process: 903

CAS No: 000630-08-0 (From Mod 0)
 Name: CARBON MONOXIDE
 PTE(s): 1.2 pounds per hour

CAS No: 007446-09-5 (From Mod 0)
 Name: SULFUR DIOXIDE
 PTE(s): 0.051 pounds per hour

Emission Unit: 2--BOIL Process: 904

CAS No: 000630-08-0 (From Mod 0)
 Name: CARBON MONOXIDE
 PTE(s): 1.2 pounds per hour

CAS No: 007446-09-5 (From Mod 0)
 Name: SULFUR DIOXIDE
 PTE(s): 0.051 pounds per hour

Emission Unit: 3--WWTP Process: 801

CAS No: 000064-17-5 (From Mod 0)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.016 pounds per hour

CAS No: 000067-56-1 (From Mod 0)
 Name: METHYL ALCOHOL
 PTE(s): 0.25 pounds per hour

CAS No: 000067-63-0 (From Mod 0)
 Name: ISOPROPYL ALCOHOL
 PTE(s): 0.13 pounds per hour

CAS No: 000075-09-2 (From Mod 0)
 Name: DICHLOROMETHANE
 PTE(s): 0.0029 pounds per hour

CAS No: 000108-21-4 (From Mod 0)
 Name: ISOPROPYL ACETATE
 PTE(s): 1.06 pounds per hour

CAS No: 000108-88-3 (From Mod 0)
 Name: TOLUENE
 PTE(s): 0.055 pounds per hour

CAS No: 000109-99-9 (From Mod 0)
 Name: TETRAHYDROFURAN
 PTE(s): 0.083 pounds per hour

CAS No: 000142-82-5 (From Mod 0)

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Name: N-HEPTANE
 PTE(s): 0.047 pounds per hour

CAS No: 001330-20-7 (From Mod 0)
 Name: XYLENE, M, O & P MIXT.
 PTE(s): 0.02 pounds per hour

CAS No: 001634-04-4 (From Mod 0)
 Name: METHYL TERTBUTYL ETHER
 PTE(s): 0.029 pounds per hour

Emission Unit: 4-BULK

Process: 601

CAS No: 000064-17-5 (From Mod 0)
 Name: ETHYL ALCOHOL (ETHANOL)
 PTE(s): 0.0213 pounds per hour

CAS No: 000067-56-1 (From Mod 0)
 Name: METHYL ALCOHOL
 PTE(s): 0.058 pounds per hour

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

CAS No: 000108-21-4 (From Mod 0)
 Name: ISOPROPYL ACETATE
 PTE(s): 0.092 pounds per hour

CAS No: 000108-88-3 (From Mod 0)
 Name: TOLUENE
 PTE(s): 0.017 pounds per hour

CAS No: 000109-99-9 (From Mod 0)
 Name: TETRAHYDROFURAN
 PTE(s): 0.032 pounds per hour

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

**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

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

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

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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 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

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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

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.

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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

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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).

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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 in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction 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

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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

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CAS No: 000067-63-0

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

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Name: 1-METHYL-2-PYRROLIDONE

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.

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(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(From Mod 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(From Mod 0):

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

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manufactured by Burnham Industrial. This emission unit will have 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(From Mod 0):

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(From Mod 0):

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

Emission Unit: 4-BULK

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

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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.

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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 1-4: Compliance Demonstration
Effective between the dates of 10/25/2018 and 04/09/2027

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

Item 1-4.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a facility subject to this Subpart must notify the department in writing as described in subdivision (d) of this section at least 30 calendar days in advance of making any of the changes described in paragraphs (1) through (3) of this subdivision, and maintain records of the date and description of such change for a period of at least five years. These records must be made available for review by department representatives upon request

- (1) identification of the emission unit, process(es), emission source(s), and emission point(s) affected by the

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proposed change;

(2) date on which the change is to occur;

(3) description of the proposed change;

(4) if appropriate, the identification and description of emissions control technology and compliance terms; and

(5) the identification of all contaminants emitted by the affected emission sources and calculations of the emission rate potential, potential to emit, and projected actual annual emission rates after the proposed change

Changes at a facility that meet all of the criteria in paragraphs (1) through (3) below, may not require modification of the permit and may be conducted without the prior approval of the department. The owner or operator of the facility must maintain records of the date and description of each such change consistent with the provisions listed above for a period of at least five years. These records must be made available for review by department representatives upon request.

(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 under this Title.

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

In order to demonstrate compliance with 6 NYCRR 212 and maintain operation flexibility within the facility, AMRI shall submit and record operational flexibility requests as follows:

AMRI has modeled HTAC and other air contaminant emissions at the facility and demonstrated compliance with respective AGC/SGCs. The approved model was based on the following number of batches associated with each process:

AMRI has calculated both hourly PTE and yearly PTE emissions for each process. AMRI has demonstrated that the following number of batches run for the calendar year for the following processes meet AGC/SGC’s for contaminants modeled. If AMRI alters from the following

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operational scenario, the facility shall be remodeled/re-calculated based on new operational scenario (including equipment and emission point changes), and compliance with AGC/SGC limits shall be demonstrated to the Department before proceeding with new operations.

- Process 107 : 6 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: 68 batches/year
- Process 205: 10 batches /year
- Process 216: 10 batches/year
- Process 301: 0 batches/year
- Process 302: 0 batches/year
- Process 303: 20 batches/year
- Process 304: 30 batches/year
- Process 305: 20 batches/year
- Process 306: 45 batches/year
- 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: 90 batches/year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable State 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.

****** 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(From Mod 0):

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
 NYTMN (km.): 4720.153 NYTME (km.): 603.272

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 Building: 1
 NYTMN (km.): 4720.1 NYTME (km.): 603.3

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

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Height (ft.): 30 NYTMN (km.): 4720.1	Diameter (in.): 3 NYTME (km.): 603.3
Emission Point: 19012 Height (ft.): 35 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 19013 Height (ft.): 20 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 19016 Height (ft.): 12 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 19017 Height (ft.): 27 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 19018 Height (ft.): 27 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 19019 Height (ft.): 20 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 20001 Height (ft.): 34 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33001 Height (ft.): 30 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33002 Height (ft.): 37 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33003 Height (ft.): 37 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33004 Height (ft.): 37 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33006 Height (ft.): 37 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33007	

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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
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	

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Height (ft.): 31 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33037 Height (ft.): 30 NYTMN (km.): 4720.1	Diameter (in.): 6 NYTME (km.): 603.3
Emission Point: 33038 Height (ft.): 35 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33040 Height (ft.): 31 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33042 Height (ft.): 50 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33043 Height (ft.): 50 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33047 Height (ft.): 28 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33048 Height (ft.): 28 NYTMN (km.): 4720.1	Diameter (in.): 2 NYTME (km.): 603.3
Emission Point: 33049 Height (ft.): 28 NYTMN (km.): 4720.1	Diameter (in.): 3 NYTME (km.): 603.3
Emission Point: 33054 Height (ft.): 29 NYTMN (km.): 4720.1	Diameter (in.): 4 NYTME (km.): 603.3
Emission Point: 33055 Height (ft.): 31 NYTMN (km.): 4720.1	Diameter (in.): 3 NYTME (km.): 603.3
Emission Point: 33066 Height (ft.): 30 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33069 Height (ft.): 32 NYTMN (km.): 4720.1	Diameter (in.): 1 NYTME (km.): 603.3
Emission Point: 33079	

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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(From Mod 0):

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(From Mod 0):

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

Emission Unit: 3--WWTP		
Emission Point: WW003		
Height (ft.): 45	Diameter (in.): 48	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	

Item 52.4(From Mod 0):

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	

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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(From Mod 1):

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

Emission Unit: 1-PROCS
 Process: 006 Source Classification Code: 2-01-002-02
 Process Description: Emergency Generators

Emission Source/Control: 09S04 - Control
 Control Type: WET SCRUBBER

Emission Source/Control: 09F39 - Process
 Design Capacity: 4 square meters

Emission Source/Control: 09K22 - Process
 Design Capacity: 2,000 gallons

Emission Source/Control: 09K29 - Process
 Design Capacity: 1,000 gallons

Emission Source/Control: 09R19 - Process
 Design Capacity: 2,000 gallons

Emission Source/Control: 09R20 - Process
 Design Capacity: 2,000 gallons

Emission Source/Control: 09R21 - Process
 Design Capacity: 300 gallons

Emission Source/Control: 09T30 - Process

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Design Capacity: 300 gallons

Item 53.2(From Mod 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

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Item 53.3(From Mod 1):

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

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 53.4(From Mod 1):

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

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Emission Source/Control: 01K08 - Process

Item 53.5(From Mod 1):

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).

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 53.6(From Mod 1):

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

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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 53.7(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Item 53.8(From Mod 1):

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 53.9(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Item 53.10(From Mod 1):

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

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(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K11 - Process

Emission Source/Control: 01R10 - Process

Emission Source/Control: 01R24 - Process

Item 53.12(From Mod 1):

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 53.13(From Mod 1):

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

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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
Emission Source/Control: 01K08 - Process
Emission Source/Control: 01R03 - Process
Emission Source/Control: 01R05 - Process
Emission Source/Control: 01R06 - Process

Item 53.14(From Mod 1):

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 53.15(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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

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 53.16(From Mod 1):

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 53.17(From Mod 1):

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:
 Ambenonium chloride - Bulk Pharmaceutical Production
 (Chemical Synthesis).

Emission Source/Control: 02S01 - Control

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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

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 53.18(From Mod 1):

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 53.19(From Mod 1):

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).

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.20(From Mod 1):

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:
Racepinephrine - 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 53.21(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.22(From Mod 1):

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:

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.23(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.24(From Mod 1):

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 53.25(From Mod 1):

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

Emission Unit: 1-PROCS

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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

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 53.26(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Source/Control: 33F37 - Process

Emission Source/Control: 33R05 - Process

Emission Source/Control: 33R06 - Process

Item 53.27(From Mod 1):

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 53.28(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.29(From Mod 1):

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 53.30(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.31(From Mod 1):

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 53.32(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Source/Control: 33R22 - Process

Emission Source/Control: 33T09 - Process

Item 53.33(From Mod 1):

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 53.34(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R03 - Process

Emission Source/Control: 33T09 - Process

Item 53.35(From Mod 1):

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 53.36(From Mod 1):

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

Emission Unit: 1-PROCS

Process: 324

Source Classification Code: 3-01-060-99

Process Description:

Ethyl Butyl Malonate-Bulk Pharmaceutical Production
(Chemical Synthesis)

Emission Source/Control: 33K15 - Process

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33R05 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33R15 - Process

Emission Source/Control: 33R16 - Process

Item 53.37(From Mod 1):

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

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

Emission Source/Control: 33R08 - Process

Item 53.38(From Mod 1):

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 53.39(From Mod 1):

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 (chemical synthesis)

Emission Source/Control: 33E06 - Process

Emission Source/Control: 33K06 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33T41 - Process

Item 53.40(From Mod 1):

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)

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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 53.41(From Mod 1):

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

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 53.42(From Mod 1):

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).

Permit ID: 4-3814-00016/00254

Facility DEC ID: 4381400016

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

Emission Source/Control: 04K01 - Process

Item 53.43(From Mod 1):

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 53.44(From Mod 1):

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

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Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 53.45(From Mod 1):

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 53.46(From Mod 1):

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

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Emission Source/Control: 04R02 - Process

Item 53.47(From Mod 1):

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 53.48(From Mod 1):

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

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Item 53.49(From Mod 1):

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 53.50(From Mod 1):

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

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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 53.51(From Mod 1):

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 53.52(From Mod 1):

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

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(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 53.53(From Mod 1):

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)

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

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Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R06 - Process

Item 53.54(From Mod 1):

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 53.55(From Mod 1):

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:

Hydroxychloroquine Base - Bulk Pharmaceutical Production (Chemical Synthesis).

Emission Source/Control: 19E01 - Process

Emission Source/Control: 19K05 - Process

Emission Source/Control: 19R02 - Process

Item 53.56(From Mod 1):

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

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Emission Source/Control: 33F85 - Process

Emission Source/Control: 33F89 - Process

Item 53.57(From Mod 1):

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 53.58(From Mod 1):

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 53.59(From Mod 0):

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 53.60(From Mod 0):

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

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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 53.61(From Mod 0):

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 53.62(From Mod 0):

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.

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

Item 53.63(From Mod 0):

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 53.64(From Mod 0):

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

Emission Unit: 4-BULKES
 Process: 601 Source Classification Code: 3-01-060-10

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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

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