



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1399-00055/00004
Effective Date: 08/12/2014 Expiration Date: 08/12/2024

Permit Issued To: NYS DEPT OF CORRECTIONS AND COMMUNITY SUPERVISION
BLDG 2 - STATE OFFICE BUILDING CAMPUS
1220 WASHINGTON AVE
ALBANY, NY 12226-2050

Contact: KEITH D RUPERT
NYS DEPT OF CORRECTIONAL SERVICES
1220 WASHINGTON AVE
ALBANY, NY 12226
(518) 485-5576

Facility: FISHKILL DOWNSTATE CORRECTIONAL FACILITY
271 MATTEAWAN RD | RED SCHOOLHOUSE RD
BEACON, NY 12508

Description:

Renewal 1

The Fishkill/Downstate Correctional Facility is located in Dutchess County, NY. Heating needs are met by the operation of four 55 MMBtu/hr boilers firing No. 6 fuel oil and natural gas. This permit also encompasses paint spray booths and welding stations for metal bed frame manufacturing. The facility operates generators in the Coordinated Demand Response Program and a number of exempt/trivial sources including small combustion sources, storage tanks and maintenance / vocational activities.

The facility is adding one 34 MMBtu/hr, No. 2 fuel oil boiler to their site. The boiler will only be used if the steam supply from the four current boilers is cut off from the Downstate site. The boiler will be taken off-site once the construction of new permanent boilers at the Downstate site is completed, however it is expected that the project will take a number of years to complete. The facility will send in plans/applications for the new permanent boilers when necessary. This renewal also involves a number of administrative changes made to the conditions.

New York State Department of Environmental Conservation
Facility DEC ID: 3139900055



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: GEORGE A SWEIKERT
 NYSDEC - REGION 3
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS



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

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 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 3 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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation

Permit ID: 3-1399-00055/00004

Facility DEC ID: 3139900055



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: NYS DEPT OF CORRECTIONS AND COMMUNITY SUPERVISION
BLDG 2 - STATE OFFICE BUILDING CAMPUS
1220 WASHINGTON AVE
ALBANY, NY 12226-2050

Facility: FISHKILL DOWNSTATE CORRECTIONAL FACILITY
271 MATTEAWAN RD | RED SCHOOLHOUSE RD
BEACON, NY 12508

Authorized Activity By Standard Industrial Classification Code:
8999 - SERVICES, NEC
9223 - CORRECTIONAL INSTITUTIONS

Permit Effective Date: 08/12/2014

Permit Expiration Date: 08/12/2024



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *6 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 7 6 NYCRR 211.1: Air pollution prohibited
- 8 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 9 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 10 6 NYCRR 227-1.3: Compliance Demonstration
- 11 40CFR 60, NSPS Subpart A: Compliance Demonstration
- 12 40CFR 60.42c, Subpart Dc: Compliance Demonstration
- 13 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 14 40CFR 60.48c, NSPS Subpart Dc: Compliance Demonstration
- 15 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 16 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Demonstration
- 17 40CFR 60, NSPS Subpart IIII: Compliance Demonstration
- 18 40CFR 63, Subpart JJJJJ: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 19 ECL 19-0301: Contaminant List
- 20 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 21 6 NYCRR Subpart 201-5: Emission Unit Definition
- 22 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 23 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 24 6 NYCRR 211.2: Visible Emissions Limited
- 25 6 NYCRR 227-1.2 (a) (2): Compliance Demonstration

Emission Unit Level

- 26 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 27 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

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

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

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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



required to operate such device effectively.

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

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

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

Item E: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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



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

Item F: 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 G: 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 H: 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 I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

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

Item J: 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 K: 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 L: Permit Exclusion - ECL 19-0305
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Facility Permissible Emissions



Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 Name: CARBON MONOXIDE	PTE: 190,000 pounds per year
CAS No: 007446-09-5 Name: SULFUR DIOXIDE	PTE: 190,000 pounds per year
CAS No: 0NY210-00-0 Name: OXIDES OF NITROGEN	PTE: 190,000 pounds per year
CAS No: 0NY750-00-0 Name: CARBON DIOXIDE EQUIVALENTS	PTE: 198,000,000 pounds per year
CAS No: 0NY998-00-0 Name: VOC	PTE: 16,000 pounds per year

Condition 2: Capping Monitoring Condition

Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

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:

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: 000630-08-0 CARBON MONOXIDE

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:

Carbon Monoxide (CO) emissions will be limited to 95 tons per year. The facility shall utilize the following mathematical relationship to determine compliance;

$$[(0.006 \text{ lbs CO/hp-hr} * \text{total hp (GEN01, GEN03, GEN04)} * \text{annual operating hours}) + (0.001 \text{ lbs CO/hp-hr} * \text{total hp (GEN05, GEN06, GEN07)} * \text{annual operating hours}) + 5 \text{ lbs CO (per } 10^3 \text{ gals No. 6 fired by Central Heating Plant)} + 84 \text{ lbs CO (per } 10^6 \text{ cf natural gas fired by Central Heating Plant)} + 5 \text{ lbs CO (per } 10^3 \text{ gallons No. 2 fuel oil/ Diesel fired by Emission Source 0TB05 and exempt sources)} + 7.5 \text{ lbs CO (per } 10^3 \text{ gallons propane fired by exempt sources)}]/2000] < 95 \text{ tons per year}$$

- GEN01 is 500 KW
- GEN03 is 1250 KW
- GEN04 is 1250 KW
- GEN05 is 1250 KW
- GEN06 is 1250 KW
- GEN07 is 1250 KW

**Generators burn diesel fuel.

**Central Heating Plant consists of four 55 MMBtu/hr boilers capable of firing No. 6 fuel and natural gas.

**Emission Source 0TB05 is a 34 MMBtu/hr boiler firing No. 2 fuel oil.



**Exempt sources consist of a 1500 kw generator, small boilers, furnaces, and hot water heaters firing No. 2 oil/ Diesel fuel/ propane.

References;

Ap-42 Table 3.4-1 (>600 hp or > 447 kw) GEN01, GEN03, GEN04

Manufacturer's emission factors for GEN04, GEN05, GEN06

AP-42 Table 1.3-1 No. 6 oil/ No. 2 oil/ Diesel

AP-42 Table 1.4-1 Natural Gas

AP-42 Table 1.5-1 Propane

*1.341 hp=1kw

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 3: Capping Monitoring Condition
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 3.1:

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

6 NYCRR Subpart 201-6

6 NYCRR Subpart 227-2

Item 3.2:

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

Item 3.3:

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

Item 3.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This



certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 3.5:

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

Item 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Oxides of Nitrogen (NO_x) emissions will be limited to 95 tons per year. The facility shall utilize the following mathematical relationship to determine compliance;

$$[(0.024 \text{ lbs NO}_x/\text{hp-hr} * \text{total hp (GEN01, GEN03, GEN04)} * \text{annual operating hours}) + (0.0096 \text{ lbs NO}_x/\text{hp-hr} * \text{total hp (GEN05, GEN06, GEN07)} * \text{annual operating hours}) + 55 \text{ lbs NO}_x \text{ (per } 10^3 \text{ gals No. 6 fired by Central Heating Plant)} + 50 \text{ lbs NO}_x \text{ (per } 10^6 \text{ cf natural gas fired by Central Heating Plant)} + 20 \text{ lbs NO}_x \text{ (per } 10^3 \text{ gallons No. 2 fuel oil/ Diesel fired by Emission Source 0TB05 and exempt sources)} + 13 \text{ lbs NO}_x \text{ (per } 10^3 \text{ gallons propane fired by exempt sources)})/2000] < 95 \text{ tons per year}$$

GEN01 is 500 KW

GEN03 is 1250 KW

GEN04 is 1250 KW

GEN05 is 1250 KW

GEN06 is 1250 KW

GEN07 is 1250 KW

**Generators burn diesel fuel.

**Central Heating Plant consists of four 55 MMBtu/hr boilers capable of firing No. 6 fuel and natural gas.

**Emission Source 0TB05 is a 34 MMBtu/hr boiler firing No. 2 fuel oil.

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**Exempt sources consist of a 1500 kw generator, small boilers, furnaces, and hot water heaters firing No. 2 oil/ Diesel fuel/ propane.

References;

Ap-42 Table 3.4-1 (>600 hp or > 447 kw) GEN01, GEN03, GEN04

Manufacturer's emission factors for GEN04, GEN05, GEN06

AP-42 Table 1.3-1 No. 6 oil/ No. 2 oil/ Diesel

AP-42 Table 1.4-1 Natural Gas

AP-42 Table 1.5-1 Propane

*1.341 hp=1kw

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 4: Capping Monitoring Condition
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

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 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

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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: 007446-09-5 SULFUR DIOXIDE

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:

Sulfur Dioxide (SO2) emissions will be limited to 95 tons per year. The facility shall utilize the following mathematical relationship to determine compliance;

$$[(0.000012 \text{ lbs SO}_2/\text{hp-hr} * \text{total hp (GEN01, GEN03, GEN04, GEN05, GEN06, GEN07)} * \text{annual operating hours}) + 78.5 \text{ lbs SO}_2 \text{ (per } 10^3 \text{ gals No. 6 fired by Central Heating Plant)} + 0.6 \text{ lbs SO}_2 \text{ (per } 10^6 \text{ cf natural gas fired by Central Heating Plant)} + 0.213 \text{ lbs SO}_2 \text{ (per } 10^3 \text{ gallons No. 2 fuel oil / Diesel fired by Emission Source 0TB05 and exempt sources)} + 0.05 \text{ lbs SO}_2 \text{ (per } 10^3 \text{ gallons propane fired by exempt sources)}) / 2000] < 95 \text{ tons per year}$$

*All six generators shall burn diesel fuel complying with 40 CFR 60 Subpart IIII.4207 sulfur-in-fuel standards.

- GEN01 is 500 KW
- GEN03 is 1250 KW
- GEN04 is 1250 KW
- GEN05 is 1250 KW
- GEN06 is 1250 KW
- GEN07 is 1250 KW

**Generators burn diesel fuel.

**Central Heating Plant consists of four 55 MMBtu/hr boilers capable of firing No. 6 fuel and natural gas.



**Emission Source 0TB05 is a 34 MMBtu/hr boiler firing No. 2 fuel oil.

**Exempt sources consist of a 1500 kw generator, small boilers, furnaces, and hot water heaters firing No. 2 oil/ Diesel fuel/ propane.

References;

Ap-42 Table 3.4-1 (>600 hp or > 447 kw) GEN01, GEN03, GEN04

Manufacturer's emission factors for GEN04, GEN05, GEN06

AP-42 Table 1.3-1 No. 6 oil/ No. 2 oil/ Diesel

AP-42 Table 1.4-1 Natural Gas

AP-42 Table 1.5-1 Propane

*S=0.5 No. 6 Oil

*S=0.0015 No. 2 fuel oil / Diesel (15 ppm)

*1.341 hp=1kw

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 5: Capping Monitoring Condition
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 5.1:

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

6 NYCRR Subpart 201-6

6 NYCRR Subpart 228-1

Item 5.2:

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

Item 5.3:

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

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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 6.2:

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

Item 6.3:

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

Item 6.4:

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

Item 6.5:

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

Item 6.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 6.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Greenhouse gas (GHG) emissions from the facility shall not exceed 198,000,000 pounds carbon dioxide equivalents in any consecutive 12 month period. GHG emissions shall be based on the following mathematical relationship.

(GHG emission factor for No. 6 oil fired boilers)(amount of No. 6 oil fired by central heating plant and exempt



boilers) + (GHG emission factor for No. 2 oil fired boilers)(amount of No. 2 oil fired by Emission Source OTB01) + (GHG emission factor for natural gas fired boilers)(amount of natural gas fired by central heating plant fired boilers) + (GHG emission factor for diesel fired engines)(amount of diesel fired by engines) + (GHG emission factor)(amount of propane fired in exempt sources) < 198,000,000 pounds per year

The emission factors used will be obtained from authorized sources (e.g. AP-42). Fuel use records must be maintained on-site for a minimum of 10 years.

Parameter Monitored: CARBON DIOXIDE EQUIVALENTS

Upper Permit Limit: 198000000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 7: Air pollution prohibited
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR 211.1

Item 7.1:

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

Condition 8: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

Item 8.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0TEMP

Emission Point: 00010

Process: TMP

Emission Source: OTB05

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC



OPERATIONS

Monitoring Description:

The facility shall not purchase distillate fuel (No. 2) containing sulfur exceeding 0.0015% by weight, as per the new sulfur content limit stated in 6 NYCRR 225. Facilities shall maintain records that certify sulfur in fuel content is in compliance for every delivery. These records shall be maintained on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 9: Compliance Demonstration
Effective between the dates of 07/01/2016 and 08/12/2024

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 9.1:

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

Emission Unit: 0-0TEMP	Emission Point: 00010
Process: TMP	Emission Source: 0TB05

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not fire distillate fuel containing sulfur exceeding 0.0015% by weight, after July 1, 2016, as per the new sulfur content limit stated in 6 NYCRR 225. Facilities shall maintain records that certify sulfur in fuel content is in compliance for every delivery. These records shall be maintained on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 10: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 10.1:

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

Emission Unit: 0-0MAIN	Emission Point: 00001
Emission Unit: 0-0TEMP	Emission Point: 00010
Emission Unit: O-EGENS	Emission Point: 00003
Emission Unit: O-EGENS	Emission Point: 00005
Emission Unit: O-EGENS	Emission Point: 00006
Emission Unit: O-EGENS	Emission Point: 00007
Emission Unit: O-EGENS	Emission Point: 00008
Emission Unit: O-EGENS	Emission Point: 00009

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

Item 10.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a permitted or exempt stationary combustion source which exhibits greater than 20 percent opacity (6 min average), except for one six minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 evaluation.

Process Material: FUEL
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 11: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 11.1:

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

Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B01
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B02
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B03
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B04
Emission Unit: 0-0TEMP Process: TMP	Emission Point: 00010 Emission Source: 0TB05
Emission Unit: O-EGENS Process: DIS	Emission Point: 00007 Emission Source: GEN05
Emission Unit: O-EGENS Process: DIS	Emission Point: 00008 Emission Source: GEN06
Emission Unit: O-EGENS Process: DIS	Emission Point: 00009 Emission Source: GEN07

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

General Provisions;

§60.7(b)

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



§60.7(c) *Applicable only to Emission Units: 0-0MAIN and 0-0TEMP*

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

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

§60.7(d) *Applicable only to Emission Units: 0-0MAIN and 0-0TEMP*

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

§60.7(f) *Applicable only to Emission Units: 0-0MAIN and 0-0TEMP*

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and



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

§60.8(b)

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

§60.8(d)

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

§60.9

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

§60.11

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

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

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

3) all other applicable conditions cited in section 60.11



of this part.

§60.11(d)

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

§60.12

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

§60.14

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

§60.15

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control



equipment;

6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

7) the estimated life of the facility after the replacements; and

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:40CFR 60.42c, Subpart Dc

Item 12.1:

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

Emission Unit: 0-0MAIN Process: OIL	Emission Source: 00B01
Emission Unit: 0-0MAIN Process: OIL	Emission Source: 00B02
Emission Unit: 0-0MAIN Process: OIL	Emission Source: 00B03
Emission Unit: 0-0MAIN Process: OIL	Emission Source: 00B04
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility will establish a fuel contract specifying a maximum sulfur content of 0.5% (by weight) for No. 6 oil used in the boilers. The owner or operator shall collect

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fuel samples immediately after each tank is filled to confirm that the sulfur content meets this requirement. Results of the fuel analysis taken after each new shipment of oil is received shall be used as the daily value when calculating the 30-day rolling average until the next shipment is received.

The fuel oil sulfur limits under this section apply at all times, including periods of start up, shutdown, and malfunction. Records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 6 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: 30-DAY AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

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

Item 13.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include 0-0MAIN OIL with sources 00B01, 00B02, 00B03, and 00B04.

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

Item 13.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Fishkill Downstate Correctional facility shall not cause

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Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period and maintain records according to the requirements of this section. The facility shall also record and maintain records of the amount of each fuel combusted during each operating day. These records shall be kept on site for a period of two years, and shall be reported on semiannually.

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 1/30/2015.

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

Condition 15: Compliance Demonstration

Effective between the dates of 08/12/2014 and 08/12/2024

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

Item 15.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0TEMP

Emission Point: 00010

Process: TMP

Emission Source: 0TB05

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In regards to distillate fuel oil, the owner and/or operator of the affected facility shall maintain records containing the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c and the sulfur content or maximum sulfur content of the oil. These records shall be maintained on site and made available to the Department upon request.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 16: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:40CFR 60.48c(f)(2), NSPS Subpart Dc

Item 16.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In regards to residual fuel oil, the owner and/or operator of the affected facility shall maintain records containing the following data:

- i) name of the residual oil supplier;
- ii) the location of the oil when the sample was drawn for analysis of the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil storage at the oil supplier's or oil refiner's facility, or other location;
- iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and
- iv) the method used to determine the sulfur content of the oil.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 17.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: O-EGENS

Process: DIS

Emission Source: GEN05

Emission Unit: O-EGENS

Process: DIS

Emission Source: GEN06



Emission Unit: O-EGENS
Process: DIS

Emission Source: GEN07

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility is subject to, and shall comply with, all applicable sections under Subpart III, including 60.4204(b), 60.4206, 60.4207, 60.4209 and 60.4210(c). Any questions concerning compliance and/or enforcement of this regulation should be referred to the USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 18.1:

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

Emission Unit: 0-0MAIN

Emission Unit: 0-0TEMP

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of the 40 CFR 63 JJJJJJ, which includes conducting a tune-up of the boiler biennially as specified in §63.11223. The facility is subject to, and shall comply with, all applicable sections under Subpart JJJJJJ. Any questions concerning compliance and/or enforcement of this regulation should be referred to the USEPA.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION





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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: 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 19: Contaminant List
Effective between the dates of 08/12/2014 and 08/12/2024



Applicable State Requirement:ECL 19-0301

Item 19.1:

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

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

CAS No: 0NY075-00-0
Name: PARTICULATES

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

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

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

**Condition 20: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/12/2014 and 08/12/2024**

Applicable State Requirement:6 NYCRR 201-1.4

Item 20.1:

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working



hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

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

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

Condition 21: Emission Unit Definition
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 21.1:

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

Emission Unit: 0-0MAIN

Emission Unit Description:

Four 55 mmBTU/hr boilers located in the powerhouse. The boilers are capable of burning natural gas with No. 6 fuel oil as a backup. The powerhouse includes one main stack (EP 00001).

Building(s): 86

Item 21.2:

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

Emission Unit: 0-0SURF

Emission Unit Description:

Two spray booths for coating metal beds, cell furnishings and security items using enamel, latex and thinners.

Building(s): 8

Item 21.3:

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

Emission Unit: 0-0TEMP

End Date: 12/31/2017

Emission Unit Description:

One 34 MMBtu/hr, No. 2 fuel oil boiler. The boiler will only be used if the steam supply from the four current boilers is cut off from the Downstate site. The only reason this would happen is if the current steam transport pipe begins to leak at any point. The boiler will be taken off-site once the construction of new permanent boilers at the Downstate site is completed, however it is expected that the project will take a number of years to complete.

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The facility will send in plans/applications for the new permanent boilers when the time comes. This renewal also involves a number a administrative changes made to the conditions.

Building(s): 86a

Item 21.4:

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

Emission Unit: O-EGENS

Emission Unit Description:

Six diesel generators provide backup power and participate in the Coordinated Demand Response Program (CDRP).

**Condition 22: Renewal deadlines for state facility permits
Effective between the dates of 08/12/2014 and 08/12/2024**

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

Item 22.1:

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 23: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024**

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

Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 23.2:

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 3
21 South Putt Corners Rd.
New Paltz, NY 12561

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.



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

Condition 24: Visible Emissions Limited
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable State Requirement:6 NYCRR 211.2

Item 24.1:

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

Condition 25: Compliance Demonstration
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable State Requirement:6 NYCRR 227-1.2 (a) (2)

Item 25.1:

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

Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B01
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B02
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B03
Emission Unit: 0-0MAIN Process: OIL	Emission Point: 00001 Emission Source: 00B04
Regulated Contaminant(s): CAS No: 0NY075-00-0	PARTICULATES

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions are limited to 0.2 lbs/MMBtu while firing No. 6 fuel oil. The Department reserves the right to request the facility conduct a performance test to confirm compliance.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.2 pounds per million Btus
Reference Test Method: USEPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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

**** Emission Unit Level ****

Condition 26: Emission Point Definition By Emission Unit
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 26.1:

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

Emission Unit: 0-0MAIN

Emission Point: 00001
Height (ft.): 180 Diameter (in.): 133
NYTMN (km.): 4596.925 NYTME (km.): 587.73 Building: 86

Item 26.2:

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

Emission Unit: 0-0SURF

Emission Point: 00100
Height (ft.): 17 Length (in.): 54 Width (in.): 30
NYTMN (km.): 4596.924 NYTME (km.): 587.732 Building: 8

Item 26.3:

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

Emission Unit: 0-0TEMP

Emission Point: 00010
Height (ft.): 14 Diameter (in.): 30
NYTMN (km.): 4596.9 NYTME (km.): 587.7 Building: 86a

Item 26.4:

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

Emission Unit: O-EGENS

Emission Point: 00003
Height (ft.): 10 Diameter (in.): 10
NYTMN (km.): 4596.9 NYTME (km.): 587.7

Emission Point: 00005
Height (ft.): 10 Diameter (in.): 10
NYTMN (km.): 4596.9 NYTME (km.): 587.7



Emission Point: 00006
Height (ft.): 10 Diameter (in.): 10
NYTMN (km.): 4596.9 NYTME (km.): 587.7

Emission Point: 00007
Height (ft.): 24 Diameter (in.): 14
NYTMN (km.): 4596.9 NYTME (km.): 587.7

Emission Point: 00008
Height (ft.): 24 Diameter (in.): 14
NYTMN (km.): 4596.9 NYTME (km.): 587.7

Emission Point: 00009
Height (ft.): 24 Diameter (in.): 14
NYTMN (km.): 4596.9 NYTME (km.): 587.7

Condition 27: Process Definition By Emission Unit
Effective between the dates of 08/12/2014 and 08/12/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 27.1:

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

Emission Unit: 0-0MAIN
Process: GAS Source Classification Code: 1-02-006-02
Process Description:
Four 55 mmBTU/hr boilers firing natural gas as a primary fuel.

Emission Source/Control: 00B01 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B02 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B03 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B04 - Combustion
Design Capacity: 55 million Btu per hour

Item 27.2:

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

Emission Unit: 0-0MAIN
Process: OIL Source Classification Code: 1-02-004-01
Process Description:
Four 55 mmBTU/hr boilers firing No. 6 fuel oil as a secondary fuel.

New York State Department of Environmental Conservation

Permit ID: 3-1399-00055/00004

Facility DEC ID: 3139900055



Emission Source/Control: 00B01 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B02 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B03 - Combustion
Design Capacity: 55 million Btu per hour

Emission Source/Control: 00B04 - Combustion
Design Capacity: 55 million Btu per hour

Item 27.3:

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

Emission Unit: 0-0SURF
Process: SPR
Process Description:
Coating of metal beds, cell furnishings and security items.

Emission Source/Control: 00S01 - Process
Design Capacity: 16 gallons per hour

Emission Source/Control: 00S02 - Process
Design Capacity: 16 gallons per hour

Item 27.4:

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

Emission Unit: 0-0TEMP
Process: TMP Source Classification Code: 1-03-005-02
Process End Date: 12/31/2017
Process Description: One 34 mmBtu/hr boiler firing No.2 fuel oil.

Emission Source/Control: 0TB05 - Combustion
Design Capacity: 34 million Btu per hour

Item 27.5:

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

Emission Unit: O-EGENS
Process: DIS Source Classification Code: 2-02-004-01
Process Description: Generators firing diesel fuel.

Emission Source/Control: GEN01 - Combustion
Design Capacity: 500 kilowatts

Emission Source/Control: GEN03 - Combustion
Design Capacity: 1,250 kilowatts

Emission Source/Control: GEN04 - Combustion



Design Capacity: 1,250 kilowatts

Emission Source/Control: GEN05 - Combustion
Design Capacity: 1,250 kilowatts

Emission Source/Control: GEN06 - Combustion
Design Capacity: 1,250 kilowatts

Emission Source/Control: GEN07 - Combustion
Design Capacity: 1,250 kilowatts

