



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1399-00055/00004
Mod 0 Effective Date: 08/12/2014 Expiration Date: 08/11/2024
Mod 1 Effective Date: 03/02/2016 Expiration Date: 08/11/2024
Mod 2 Effective Date: 11/16/2016 Expiration Date: 08/11/2024

Permit Issued To: NYS DEPT OF CORRECTIONS AND COMMUNITY SUPERVISION
THE HARRIMAN STATE CAMPUS
1220 WASHINGTON AVE
ALBANY, NY 12226

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:

Ren 1 Mod 2

The facility is adding three 17.57 MMBtu/hr, natural gas-fired Unilux boilers. These boilers will be located in the Downstate powerhouse, each with a separate stack. VOC emissions from the spray booths have also been limited to 2.5 tpy in order to cap out of 6 NYCRR Part 228.

The Fishkill Downstate Correctional Facility is located in Dutchess County, NY. Two separate boiler plants are used to meet the heating needs of the two campuses. The Fishkill powerhouse contains four 55 MMBtu/hr boilers firing natural gas and No. 6 fuel oil. The Downstate powerhouse is in the process of adding three 17.57 MMBtu/hr, natural gas-fired boilers. Until this boiler project for the Downstate facility is completed, one 34 MMBtu/hr, No. 2 oil-fired boiler remains on site (since 2014) providing steam to the Downstate facility as necessary. Additional facility sources include two paint spray booths, four diesel generators in the Coordinated Demand Response Program and three diesel generators used strictly for emergency purposes.

The facility is subject to requirements under 6 NYCRR Parts 201, 211, 225, 227, and 40 CFR Parts 60 and 63.



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
 - Applications for permit renewals, modifications and transfers
 - 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 2-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:

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 2-1.2:

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

Item 2-1.3

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 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 renewal application at least 180 days before expiration of permits for both 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 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

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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: NYS DEPT OF CORRECTIONS AND COMMUNITY SUPERVISION
THE HARRIMAN STATE CAMPUS
1220 WASHINGTON AVE
ALBANY, NY 12226

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

Mod 0 Permit Effective Date: 08/12/2014

Permit Expiration Date: 08/11/2024

Mod 1 Permit Effective Date: 03/02/2016

Permit Expiration Date: 08/11/2024

Mod 2 Permit Effective Date: 11/16/2016

Permit Expiration Date: 08/11/2024



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *2-1 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *2-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *2-3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 7 6 NYCRR 211.1: Air pollution prohibited
- 2-4 6 NYCRR 225-1.2 (e): Compliance Demonstration
- 2-5 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 2-6 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 2-7 6 NYCRR 227-1.3: Compliance Demonstration
- 2-8 40CFR 60, NSPS Subpart IIII: Compliance Demonstration
- 18 40CFR 63, Subpart JJJJJ: Compliance Demonstration

Emission Unit Level

EU=0-0SURF

- *2-9 6 NYCRR Subpart 201-7: Capping Monitoring Condition

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: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

Item H: Proof of Eligibility for Sources Defined as Trivial



Activities - 6 NYCRR 201-3.3 (a)

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

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

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

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

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

Item K: Permit Exclusion - ECL 19-0305

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

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



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 08/11/2024

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:

per year	CAS No: 000630-08-0 (From Mod 2)	PTE: 190,000 pounds
	Name: CARBON MONOXIDE	
per year	CAS No: 007446-09-5 (From Mod 2)	PTE: 190,000 pounds
	Name: SULFUR DIOXIDE	
per year	CAS No: 0NY210-00-0 (From Mod 2)	PTE: 190,000 pounds
	Name: OXIDES OF NITROGEN	
per year	CAS No: 0NY998-00-0 (From Mod 2)	PTE: 5,000 pounds
	Name: VOC	

Condition 2-1: Capping Monitoring Condition
Effective between the dates of 11/16/2016 and 08/11/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Replaces Condition(s) 1-1

Item 2-1.1:

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

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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 2-1.2:

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

Item 2-1.3:

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 2-1.4:

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 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 2-1.5:

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 2-1.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2-1.7:

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;
$$[(A*B) + (C*D) + (E*F) + (G*H) + (I*J*K) + (L*M)] / 2000 < 95 \text{ tons per year}$$

A = NO_x emission factor for boilers firing No. 6 fuel oil
(55 lb/10³ gal)

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B = gallons of No. 6 fuel oil fired by boilers (annually)
C = NOx emission factor for boilers firing No. 2 fuel oil (20 lb/10³ gal)
D = gallons of No. 2 fuel oil fired by boilers (annually)
E = NOx emission factor for boilers firing natural gas (50 lb/10⁶ scf)
F = standard cubic feet of natural gas fired by boilers (annually)
G = NOx emission factor for diesel-fired generators (0.432 lb/gal)
H = gallons of diesel fuel fired by generators GEN01, GEN03, GEN04 and GEN08 (annually)
I = NOx emission factor for diesel-fired emergency generators (0.0096 lb/hp-hr)
J = average horsepower of emergency generators GEN05, GEN06 and GEN07 (1676 hp)
K = total annual operating hours for emergency generators GEN05, GEN06 and GEN07
L = NOx emission factor for propane-fired sources (13 lb/10³ gal)
M = gallons of propane fired in exempt sources (annually)

Fuel use records must be maintained on-site for a minimum of 10 years.

Emission Factor References;
AP-42 Table 3.4-1: Generators: GEN01, GEN03, GEN04, and GEN08
Manufacturer's emission factors for GEN05, GEN06, and GEN07 (emergency generators)
AP-42 Table 1.3-1, Boilers: No. 6 oil/ No. 2 oil/ Diesel combustion
AP-42 Table 1.4-1, Boilers: Natural Gas combustion
AP-42 Table 1.5-1, Boilers: Propane combustion

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 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 2-2: Capping Monitoring Condition
Effective between the dates of 11/16/2016 and 08/11/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-7



Replaces Condition(s) 1-2

Item 2-2.1:

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 2-2.2:

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

Item 2-2.3:

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 2-2.4:

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 2-2.5:

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 2-2.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-2.7:

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;

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$[(A*B) + (C*D) + (E*F) + (G*H) + (I*J)] / 2000 < 95$ tons
per year

A = SO2 emission factor for boilers firing No. 6 fuel oil
(78.5 lb/10³ gal)

B = gallons of No. 6 fuel oil fired by boilers
(annually)

C = SO2 emission factor for boilers firing No. 2 fuel oil
(0.213 lb/10³ gal)

D = gallons of No. 2 fuel oil fired by boilers
(annually)

E = SO2 emission factor for boilers firing natural gas
(0.6 lb/10⁶ scf)

F = standard cubic feet of natural gas fired by boilers
(annually)

G = SO2 emission factor for diesel-fired generators
(0.0002 lb/gal)

H = gallons of diesel fuel fired by all seven generators
(annually)

I = SO2 emission factor for propane-fired sources (0.05
lb/10³ gal)

J = gallons of propane fired in exempt sources
(annually)

Fuel use records must be maintained on-site for a minimum
of 10 years.

Emission Factor References;

AP-42 Table 3.4-1: Generators: GEN01, GEN03, GEN04, and
GEN08

Manufacturer's emission factors for GEN05, GEN06, and
GEN07 (emergency generators)

AP-42 Table 1.3-1, Boilers: No. 6 oil/ No. 2 oil/ Diesel
combustion

AP-42 Table 1.4-2, Boilers: Natural Gas combustion

AP-42 Table 1.5-1, Boilers: Propane combustion

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 1/30/2017.

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

Condition 2-3: Capping Monitoring Condition

Effective between the dates of 11/16/2016 and 08/11/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 1-4



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Item 2-3.1:

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

6 NYCRR Subpart 201-6

Item 2-3.2:

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

Item 2-3.3:

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 2-3.4:

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 2-3.5:

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 2-3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 2-3.7:

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:

$$[(A*B) + (C*D) + (E*F) + (G*H) + (I*J*K) + (L*M)] / 2000 <$$

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95 tons per year

A = CO emission factor for boilers firing No. 6 fuel oil
(5 lb/10³ gal)

B = gallons of No. 6 oil fired by boilers (annually)

C = CO emission factor for boilers firing No. 2 fuel oil
(5 lb/10³ gal)

D = gallons of No. 2 fuel oil fired by boilers
(annually)

E = CO emission factor for boilers firing natural gas (84
lb/10⁶ scf)

F = standard cubic feet of natural gas fired by boilers
(annually)

G = CO emission factor for diesel-fired generators (0.115
lb/gal)

H = gallons of diesel fuel fired by generators GEN01,
GEN03, GEN04 and GEN08 (annually)

I = CO emission factor for emergency generators (0.001
lb/hp-hr)

J = average horsepower of emergency generators GEN05,
GEN06 and GEN07 (1676 hp)

K = total annual operating hours for emergency generators
GEN05, GEN06 and GEN07

L = CO emission factor for propane-fired sources (7.5
lb/10³ gal)

M = gallons of propane fired in exempt sources
(annually)

Fuel use records must be maintained on-site for a minimum
of 10 years.

Emission Factor References:

AP-42 Table 3.4-1: Generators: GEN01, GEN03, GEN04, and
GEN08

Manufacturer's emission factors for GEN05, GEN06, and
GEN07 (emergency generators)

AP-42 Table 1.3-1, Boilers: No. 6 oil/ No. 2 oil/ Diesel
combustion

AP-42 Table 1.4-1, Boilers: Natural Gas combustion

AP-42 Table 1.5-1, Boilers: Propane combustion

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 1/30/2017.

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

Condition 7: Air pollution prohibited
Effective between the dates of 08/12/2014 and 08/11/2024



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 2-4: Compliance Demonstration
Effective between the dates of 11/16/2016 and 08/11/2024

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

Item 2-4.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall neither purchase nor fire residual fuel oil with a sulfur content exceeding 0.5% by weight. The facility 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: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 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 2-5: Compliance Demonstration
Effective between the dates of 11/16/2016 and 08/11/2024

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

Replaces Condition(s) 8

Item 2-5.1:

The Compliance Demonstration activity will be performed for the Facility.

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Item 2-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not purchase distillate fuel with a sulfur content exceeding 0.0015% by weight. 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: DISTILLATES

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 2-6: Compliance Demonstration

Effective between the dates of 11/16/2016 and 08/11/2024

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

Replaces Condition(s) 9

Item 2-6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not fire distillate fuel with a sulfur content exceeding 0.0015% by weight. 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: DISTILLATES

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-7: Compliance Demonstration
Effective between the dates of 11/16/2016 and 08/11/2024

Applicable Federal Requirement:6 NYCRR 227-1.3

Replaces Condition(s) 10

Item 2-7.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-7.2:

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 2-8: Compliance Demonstration
Effective between the dates of 11/16/2016 and 08/11/2024

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Replaces Condition(s) 17

Item 2-8.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The facility's generators are subject to 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 08/11/2024

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

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

Condition 2-9: Capping Monitoring Condition
Effective between the dates of 11/16/2016 and 08/11/2024



Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-9.1:

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 228-1

Item 2-9.2:

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

Item 2-9.3:

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 2-9.4:

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 2-9.5:

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 2-9.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-0SURF

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-9.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Volatile Organic Compound (VOC) emissions from the spray booths will be limited to a maximum of 2.5 tons per year.

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The facility shall utilize the following mathematical relationship to determine compliance;

$$[(A*B) + (C*D)] / 2000 < 2.5 \text{ tons per year}$$

A = lbs VOC content per gallon of paint

B = gallons of paint used in Spray Booth 1 and 2 (annually)

C = lbs VOC content per gallon of thinner

D = gallons of thinner used in Spray Booth 1 and 2 (annually)

Paint and thinner usage records must be maintained on site for a minimum of 10 years.

Parameter Monitored: VOC

Upper Permit Limit: 2.5 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 1/30/2017.

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



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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

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

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

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



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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 19: Contaminant List
Effective between the dates of 08/12/2014 and 08/11/2024

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

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Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

Condition 20: Malfunctions and start-up/shutdown activities
Effective between the dates of 08/12/2014 and 08/11/2024

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 08/11/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

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Facility DEC ID: 3139900055



Item 21.1(From Mod 2):

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

Emission Unit: 0-0DOWN

Emission Unit Description:

Three 17.57 MMBtu/hr, natural gas-fired boilers located at the Downstate powerhouse. Each boiler has a separate stack.

Building(s): 6

Item 21.2(From Mod 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(From Mod 0):

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 21.4(From Mod 1):

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 boiler will be taken off-site once the construction of new permanent boilers at the Downstate site is completed.

Building(s): 86a

Item 21.5(From Mod 1):

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

Emission Unit: O-EGENS

Emission Unit Description:

Four diesel generators provide backup power and participate in the Coordinated Demand Response Program (CDRP). Three additional generators are used exclusively for emergency purposes.

New York State Department of Environmental Conservation

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Condition 22: Renewal deadlines for state facility permits
Effective between the dates of 08/12/2014 and 08/11/2024

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 08/11/2024

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 08/11/2024

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 08/11/2024



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 08/11/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 26.1(From Mod 2):

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



Emission Unit: 0-0DOWN

Emission Point: 00011
Height (ft.): 29 Diameter (in.): 26
NYTMN (km.): 4596.9 NYTME (km.): 587.7 Building: 6

Emission Point: 00012
Height (ft.): 29 Diameter (in.): 26
NYTMN (km.): 4596.9 NYTME (km.): 587.7 Building: 6

Emission Point: 00013
Height (ft.): 29 Diameter (in.): 26
NYTMN (km.): 4596.9 NYTME (km.): 587.7 Building: 6

Item 26.2(From Mod 0):

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 26.3(From Mod 0):

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 26.4(From Mod 0):

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 26.5(From Mod 0):

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



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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 08/11/2024**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 27.1(From Mod 2):

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

Emission Unit: 0-0DOWN
 Process: NGS
 Process Description:
 Combustion of natural gas by the three 17.57 MMBtu/hr
 boilers at the Downstate powerhouse.

Emission Source/Control: 00B05 - Combustion
 Design Capacity: 17.57 million Btu per hour

Emission Source/Control: 00B06 - Combustion
 Design Capacity: 17.57 million Btu per hour

Emission Source/Control: 00B07 - Combustion
 Design Capacity: 17.57 million Btu per hour

Item 27.2(From Mod 2):

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

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Permit ID: 3-1399-00055/00004

Facility DEC ID: 3139900055



Design Capacity: 16 gallons per hour

Emission Source/Control: 00S02 - Process

Design Capacity: 16 gallons per hour

Item 27.3(From Mod 0):

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 27.4(From Mod 0):

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.

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 27.5(From Mod 1):

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

New York State Department of Environmental Conservation

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Facility DEC ID: 3139900055



Process End Date: 12/31/2017

Process Description:

Combustion of No. 2 fuel oil in the 34 mmBtu/hr boiler.

Emission Source/Control: 0TB05 - Combustion

Design Capacity: 34 million Btu per hour

Item 27.6(From Mod 1):

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