



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1328-00275/00009
Effective Date: 01/06/2015 Expiration Date: 01/05/2025

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: GREEN HAVEN CORRECTIONAL FACILITY
ST RTE 216 & GREEN HAVEN RD
STORMVILLE, NY 12582

Contact: JEFFREY RICHARDS
GREENHAVEN CORRECTIONAL FACILITY
ST RTE 216
STORMVILLE, NY 12582
(845) 221-2711

Description:

The Green Haven Correctional Facility is a state owned facility located in Dutchess County, New York. The facility operates a powerhouse consisting of three 47.5 mmBtu/hr boilers and one 21 mmBtu/hr boiler. Other sources of air emissions include small residential furnaces, backup/peak shaving generators, maintenance, vocational and industrial activities.

Ren 1

Permit Renewal addresses the addition of a new process, GAS. Natural gas will now be a viable fuel source for the boilers due to the replacing of the No. 2 fuel oil burners with dual fuel burners, capable of firing No. 2 fuel oil and natural gas. Renewal also establishes new sulfur content limits for No. 2 fuel oil. Prior sulfur content limits (0.2% and 0.5% sulfur by weight) established by 40 CFR 60 Subpart Dc and 6 NYCRR Part 201-5.3 will now be superseded with the new limit (0.0015% sulfur by weight) established in the current 6 NYCRR Part 225-1.2 regulation. Renewal expires ten years after issuance.

New York State Department of Environmental Conservation
Facility DEC ID: 3132800275



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: 3-1328-00275/00009

Facility DEC ID: 3132800275



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: GREEN HAVEN CORRECTIONAL FACILITY
ST RTE 216 & GREEN HAVEN RD
STORMVILLE, NY 12582

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

Permit Effective Date: 01/06/2015

Permit Expiration Date: 01/05/2025



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 211.1: Air pollution prohibited
- 7 6 NYCRR 212.4 (c): Compliance Demonstration
- 8 6 NYCRR 212.6 (a): Compliance Demonstration
- 9 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 10 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 11 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 12 40CFR 60, NSPS Subpart IIII: Compliance Demonstration
- 13 40CFR 63, Subpart JJJJJ: Compliance Demonstration

Emission Unit Level

EU=0-0MAIN

- 14 6 NYCRR 227-1.3: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 15 ECL 19-0301: Contaminant List
- 16 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 17 6 NYCRR Subpart 201-5: Emission Unit Definition
- 18 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 19 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 20 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 21 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 22 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 01/06/2015 and 01/05/2025

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 PTE: 190,000 pounds per year
Name: CARBON MONOXIDE

CAS No: 007446-09-5 PTE: 190,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 PTE: 190,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 2: Capping Monitoring Condition

Effective between the dates of 01/06/2015 and 01/05/2025

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 emissions from the facility shall not exceed 95 tons in any consecutive 12 month period. Carbon Monoxide emissions shall be based on the following mathematical relationship.

$$(A * EF1) + (B * EF2) + (C * EF3) + \Sigma(D * d * EF4) + (E * EF5) < 190,000 \text{ lbs (95 tons) CO/year}$$

A = Quantity of No. 2 oil (in thousands of gallons) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF1* = 5 lbs of CO emitted per thousand gallons of No. 2 oil burned.

B = Quantity of natural gas (in millions of standard cubic feet) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF2* = 84 lbs of CO emitted per million standard cubic feet of natural gas burned.

C = Quantity of No. 2 oil (in thousands of gallons) burned by the exempt combustion sources. This quantity will be calculated using a 12 month rolling average.

EF3* = 5 lbs of CO emitted per thousand gallons of No. 2 oil burned.

D = Large generator (> 600 hp) run time (in hours) for each large generator.

d = Large generator power value (in horsepower) for each large generator.



EF4* = 0.0055 lbs of CO emitted per horsepower-hour.

E = Quantity of propane (in thousands of gallons) burned.
This quantity will be calculated using a 12 month rolling average.

EF5* = 1.9 lbs of CO per thousand gallons of propane burned.

*Emission factors are referenced on Tables 1.3-1, 1.4-1, and 3.4-1 of AP-42.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 95 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - 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 01/06/2015 and 01/05/2025

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

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: 007446-09-5 SULFUR DIOXIDE

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:

Sulfur dioxide emissions from the facility shall not exceed 95 tons in any consecutive 12 month period. Sulfur dioxide emissions shall be based on the following mathematical relationship.

$$(A * EF1) + (B * EF2) + (C * EF3) + \Sigma(D * d * EF4) + (E * EF5) < 190,000 \text{ lbs (95 tons) SO}_2\text{/year}$$

A = Quantity of No. 2 oil (in thousands of gallons) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF1* = 0.213 lbs of SO₂ emitted per thousand gallons of No. 2 oil burned.

B = Quantity of natural gas (in millions of standard cubic feet) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF2* = 0.6 lbs of SO₂ emitted per million standard cubic feet of natural gas burned.

C = Quantity of No. 2 oil (in thousands of gallons) burned by the exempt combustion sources. This quantity will be calculated using a 12 month rolling average.

EF3* = 0.213 lbs of SO₂ emitted per thousand gallons of No. 2 oil burned.

D = Large generator (>600 hp) run time (in hours) for each large generator.



emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 4.5:

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

Item 4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

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:

Nitrogen Oxide dioxide emissions from the facility shall not exceed 95 tons in any consecutive 12 month period. Nitrogen Oxide emissions shall be based on the following mathematical relationship.

$$(A * EF1) + (B * EF2) + (C * EF3) + \Sigma(D * d * EF4) + (E * EF5) < 190,000 \text{ lbs (95 tons) NOx/year}$$

A = Quantity of No. 2 oil (in thousands of gallons) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF1* = 20 lbs of NOx emitted per thousand gallons of No. 2 oil burned.

B = Quantity of natural gas (in millions of standard cubic feet) burned by the boilers. This quantity will be calculated using a 12 month rolling average.

EF2* = 100 lbs of NOx emitted per million standard cubic feet of natural gas burned.

C = Quantity of No. 2 oil (in thousands of gallons) burned by the exempt combustion sources. This quantity will be calculated using a 12 month rolling average.

EF3* = 18 lbs of NOx emitted per thousand gallons of No. 2



oil burned.

D = Large generator (> 600 hp) run time (in hours) for each large generator.

d = Large generator power value (in horsepower) for each large generator.

EF4* = 0.024 lbs of NOx emitted per horsepower-hour.

E = Quantity of propane (in thousands of gallons) burned. This quantity will be calculated using a 12 month rolling average.

EF5* = 0.14 lbs of NOx per thousand gallons of propane burned.

*Emission factors are referenced on Tables 1.3-1, 1.4-1, and 3.4-1 of AP-42.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 95 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - 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 01/06/2015 and 01/05/2025

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 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.

New York State Department of Environmental Conservation

Permit ID: 3-1328-00275/00009

Facility DEC ID: 3132800275



Item 5.4:

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

Item 5.5:

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

Item 5.6:

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

Emission Unit: 0-0SURF

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

Item 5.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

VOC emissions shall be limited to 18.45 tons/yr for the surface coating operations. VOC emissions will be calculated on a 12 month rolling basis through use of a recordkeeping system which tracks quantities used and VOC content. Records shall be maintained onsite and provided upon request by the Department.

Parameter Monitored: VOC

Upper Permit Limit: 18.45 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Air pollution prohibited
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:6 NYCRR 211.1

Item 6.1:

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

New York State Department of Environmental Conservation

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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 7: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 7.1:

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

Emission Unit: 0-0SURF

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

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to require performance testing.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 8: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 8.1:

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



Emission Unit: 0-0SURF

Item 8.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. If any visible emissions are identified, corrective action is required as per the attached maintenance procedures. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 9: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

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

Item 9.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The facility shall not purchase distillate fuel containing sulfur exceeding 0.0015% by weight. Facilities shall maintain records that state the name of the oil supplier and certify sulfur in fuel content. These records shall be maintained on site and made available to the Department upon request.

The limits set forth in Subpart Dc are superceded by this



new 225 regulation.

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 07/01/2016 and 01/05/2025

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

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The facility shall not fire distillate fuel containing sulfur exceeding 0.0015% by weight, after July 1, 2016. Facilities shall maintain records that certify sulfur in fuel content. These records shall be maintained on site and made available to the Department upon request.

The limits set forth in Subpart Dc are superceded by this new 225 regulation.

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 11: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:6 NYCRR 227-1.3 (a)

Item 11.1:

The Compliance Demonstration activity will be performed for the Facility.



Item 11.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility's generators are subject to the applicable sections of 40 CFR 60 Subpart III. 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 13: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The facility's boilers are subject to the applicable sections of 40 CFR 63 Subpart JJJJJ. 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 14: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-0MAIN

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - date and time of day
 - observer's name
 - identity of emission point
 - weather condition
 - was a plume observed?

Incident weather conditions shall be recorded for those



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

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

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

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

Reference Test Method: Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
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).



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 15: Contaminant List
Effective between the dates of 01/06/2015 and 01/05/2025



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 17: Emission Unit Definition
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 17.1:

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

Emission Unit: 0-0MAIN

Emission Unit Description:

Three 47.5 mmBtu/hr boilers and one 21 mmBtu/hr boiler,
both capable of firing No.2 fuel oil and natural gas.

Building(s): 24

Item 17.2:

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

Emission Unit: 0-0SURF

Emission Unit Description:

Surface coating operations including autobody shop
painting and upholstery shop coating and adhesive use.

Building(s): 13/14

Item 17.3:

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

Emission Unit: 1-GENER

Emission Unit Description:

Two diesel generators are used for emergency power and
the Coordinated Demand Response Program (CDRP).

Building(s): 24

Condition 18: Renewal deadlines for state facility permits
Effective between the dates of 01/06/2015 and 01/05/2025

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

Item 18.1:

The owner or operator of a facility having an issued state facility permit shall submit a complete

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application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 19: Compliance Demonstration
Effective between the dates of 01/06/2015 and 01/05/2025

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

Item 19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 19.2:

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 20: Visible Emissions Limited
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable State Requirement:6 NYCRR 211.2

Item 20.1:

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

**** Emission Unit Level ****

Condition 21: Emission Point Definition By Emission Unit
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1:

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

Emission Unit: 0-0MAIN

Emission Point: 00001

Height (ft.): 220 Diameter (in.): 72
NYTMN (km.): 4605.124 NYTME (km.): 605.632 Building: 24

Emission Point: 00002

Height (ft.): 112 Diameter (in.): 36
NYTMN (km.): 4605.124 NYTME (km.): 605.632 Building: 24

Item 21.2:

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

Emission Unit: 0-0SURF

Emission Point: 00003

Height (ft.): 9 Diameter (in.): 32
NYTMN (km.): 4605.124 NYTME (km.): 605.632 Building: 13/14

Emission Point: 00004

Height (ft.): 28 Diameter (in.): 18
NYTMN (km.): 4605.124 NYTME (km.): 605.632 Building: 13/14

Emission Point: 00005

Height (ft.): 21 Diameter (in.): 43
NYTMN (km.): 4605.124 NYTME (km.): 605.632 Building: 13/14

Emission Point: 00006

Height (ft.): 21 Diameter (in.): 32
NYTMN (km.): 4604.68 NYTME (km.): 606.09 Building: 13/14

Item 21.3:

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

Emission Unit: 1-GENER

Emission Point: 00007

Height (ft.): 30 Diameter (in.): 9
NYTMN (km.): 4604.68 NYTME (km.): 606.09 Building: 24

Emission Point: 00008

Height (ft.): 30 Diameter (in.): 9
NYTMN (km.): 4604.68 NYTME (km.): 606.09 Building: 24

Condition 22: Process Definition By Emission Unit
Effective between the dates of 01/06/2015 and 01/05/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 22.1:



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

Emission Unit: 0-0MAIN
Process: GAS
Process Description:
Combustion of natural gas by the three 47.5 mmBtu/hr and one 21 mmBtu/hr boilers.

Emission Source/Control: 00B01 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B02 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B03 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B04 - Combustion
Design Capacity: 21 million Btu per hour

Item 22.2:

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

Emission Unit: 0-0MAIN
Process: NO2 Source Classification Code: 1-02-004-01
Process Description:
Combustion of No. 2 fuel oil by the three 47.5 mmBtu/hr and one 21 mmBtu/hr boilers.

Emission Source/Control: 00B01 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B02 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B03 - Combustion
Design Capacity: 47.5 million Btu per hour

Emission Source/Control: 00B04 - Combustion
Design Capacity: 21 million Btu per hour

Item 22.3:

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

Emission Unit: 0-0SURF
Process: AUT
Process Description: Autobody shop painting - surface coating.

Emission Source/Control: 00S02 - Process

Emission Source/Control: 00S03 - Process

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Item 22.4:

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

Emission Unit: 0-0SURF

Process: UPH

Process Description:

Upholstery shop coating and adhesives - surface coating.

Emission Source/Control: 00S04 - Process

Emission Source/Control: 00S05 - Process

Item 22.5:

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

Emission Unit: 1-GENER

Process: GEN

Process Description:

Combustion of diesel fuel by the two 1250 kW generators.

Emission Source/Control: 00G01 - Combustion

Design Capacity: 1,250 kilowatts

Emission Source/Control: 00G02 - Combustion

Design Capacity: 1,250 kilowatts

