

New York State Department of Environmental Conservation
Facility DEC ID: 3515200100



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-5152-00100/00011
Effective Date: 11/23/2004 Expiration Date: No expiration date

Permit Issued To: NYS DEPT OF CORRECTIONAL SERVICES
BUILDING 2 - STATE OFFICE BUILDING CAMPUS
ALBANY, NY 12226

Contact: KEITH D RUPERT
NYS DEPARTMENT OF CORRECTIONAL SERVICES
1220 WASHINGTON AVENUE
ALBANY, NY 12226
(518) 435-9477

Facility: WALLKILL/SHAWANGUNK CORRECTIONAL
ROUTE 208 & MCKENDRICK RD
WALLKILL, NY 12589

Contact: MIKE MURPHY
WALLKILL/SHAWANGUNK CORRECTIONAL FAI
BOX G ROUTE 208
WALLKILL, NY 12589
(845) 895-2021

Description:

The Wallkill and Shawangunk Correctional Facilities are primarily heated by the operation of two 27.7 MMBtu/hr and one 12.2 MMBtu/hr boilers. All three boilers are located in the powerhouse, fire No. 6 fuel with the capability to fire No.2 fuel, vent through one shared stack and were constructed in 1977. The facility also operates five diesel generators which are used for emergency power and for energy demand response (CDRP). The Standard Industrial Classification Code for this facility is 9223 - Correctional Institutions.

The Wallkill and Shawangunk Correctional Facilities are located in the Village of Wallkill, Ulster County, New York. The facilities potential air emissions for nitrogen oxide are limited below major stationary source thresholds. This Air State Facility permit replaces the previously issued Title V Facility permit.

Because each boiler was constructed and put into operation in 1977, New Source performance Standards in Title 40 of the Code of Federal Regulations (40 CFR) Section 60, Subpart Dc does not apply.

FINAL

New York State Department of Environmental Conservation
Facility DEC ID: 3515200100



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: ROBERT J STANTON
 NYS DEC DIVISION OF AIR RESOURCES
 21 SOUTH 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 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 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 and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications 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 and Modifications
Applicable State Requirement: 6NYCRR 621.13

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



New York State Department of Environmental Conservation
Facility DEC ID: 3515200100

transfer of ownership.

Condition 4: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 4.1:

The Department reserves the right 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 Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(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: 3-5152-00100/00011

Facility DEC ID: 3515200100

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NYS DEPT OF CORRECTIONAL SERVICES
BUILDING 2 - STATE OFFICE BUILDING CAMPUS
ALBANY, NY 12226

Facility: WALKKILL/SHAWANGUNK CORRECTIONAL
ROUTE 208 & MCKENDRICK RD
WALKKILL, NY 12589

Authorized Activity By Standard Industrial

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 225-1.8: Compliance Demonstration
- 2 6NYCRR 227-1.3(a): Compliance Demonstration
- 3 6NYCRR 227-1.3(a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 4 ECL 19-0301: Contaminant List
- 5 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 6 6NYCRR 201-5: Emission Unit Definition
- 7 6NYCRR 201-7: Facility Permissible Emissions
- *8 6NYCRR 201-7: Capping Monitoring Condition
- *9 6NYCRR 201-7: Capping Monitoring Condition
- 10 6NYCRR 211.2: Air pollution prohibited
- 11 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 12 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 13 6NYCRR 227-1.2(a)(2): Compliance Demonstration

Emission Unit Level

- 14 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 15 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping. Classification Code:
9223 - CORRECTIONAL INSTITUTIONS

Permit Effective Date: 11/23/2004

Permit Expiration Date: No expiration date.



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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



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 - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR 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 - 6NYCRR Part 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



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

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 Part 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 6NYCRR Part 202-1.

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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.

Item L: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item M: 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

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



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 N: 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: Compliance Demonstration

Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.8

Item 1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:

- a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and distillate oil and coal sold;

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.
Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 2: Compliance Demonstration
Effective between the dates of 11/23/2004 and Permit Expiration Date

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

Item 2.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-GENER Emission Point: 00002

Emission Unit: 1-GENER Emission Point: 00003

Emission Unit: 1-GENER Emission Point: 00004

Emission Unit: 1-GENER Emission Point: 00005

Emission Unit: 1-GENER Emission Point: 00006

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



Emission Unit: 1-GENER

Item 2.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source subject to this requirement, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit daily while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in compliance, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 227-1, the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The annual compliance must include a summary of these observations.



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 3: Compliance Demonstration
Effective between the dates of 11/23/2004 and Permit Expiration Date

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

Item 3.1:

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

Emission Unit: 0-0MAIN

Emission Unit: 0-0MAIN Emission Point: 00001

Item 3.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source subject to this requirement, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit daily while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal and in

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



compliance, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If the permittee expects the excess visible emissions to occur in excess of 1 hour after discovery, the Department will be notified immediately.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

If the opacity is determined to exceed the limits of section 227-1, the facility will be determined to be in violation, the permittee will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

The annual compliance must include a summary of these observations.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 4: Contaminant List
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 4.1:

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

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

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

Condition 5: Unavoidable noncompliance and violations
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 5.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 6: Emission Unit Definition
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 6.1:

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

Emission Unit: 0-0MAIN

Emission Unit Description:

TWO 27.7 MMBTU/HR BOILERS AND ONE 12.2
MMBTU/HR BOILER WHICH FIRE NO. 6 FUEL OIL.
THE BOILERS WERE INSTALLED IN 1977, SHARE
A COMMON STACK AND ARE LOCATED IN THE
BOILER HOUSE. NSPS DOES NOT APPLY TO THE
BOILERS.

Building(s): 15

Item 6.2:

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

Emission Unit: 1-GENER

Emission Unit Description:



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

FIVE DIESEL GENERATORS USED FOR EMERGENCY POWER AND FOR ENERGY DEMAND RESPONSE. A LIST OF GENERATORS IS AS FOLLOWS:
GEN 1 - 938 HORSEPOWER CUMMINS
GEN 2 - 1675 HORSEPOWER CATERPILLAR
GEN 3 - 241 HORSEPOWER ONAN
GEN 4 - 469 HORSEPOWER CUMMINS
GEN 5 - 34 HORSEPOWER CUMMINS

Condition 7: Facility Permissible Emissions
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 7.1:

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: 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 8: Capping Monitoring Condition
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 8.1:

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:

6NYCRR 201-6

Item 8.2:

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

Item 8.3:

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



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

control requirements, regulations or law.

Item 8.4:

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 8.5:

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 8.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 8.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Wallkill/Shawangunk Correctional Facility shall limit Sulfur Dioxide emissions as follows:

$$157(S)(A) + (0.0021)(744)(B) + (0.0081)(2613)(C) < 190,0000 \text{ lbs}$$

where,

S = weight percent of sulfur in fuel

A = low sulfur No. 6 fuel oil fired (per 1000 gallon) by the powerhouse boilers.

B = Combined operating time (hours) for each generator (3, 4 and 5) less than 600 hp.

C = Combined operating time (hours) for each generator (1 and 2) greater than 600 hp.

Generator operating time shall be based on actual metered run clock observations. Boiler fuel values shall be based on actual metered fuel fired reconciled with recorded fuel delivery receipts. The 190,000 pound per year limit shall be based on a 12 month rolling average.



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 9: Capping Monitoring Condition
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Item 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:

6NYCRR 201-6.1

6NYCRR 227-2

Item 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 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 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 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 9.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Item 9.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Wallkill/Shawangunk Correctional Facility shall limit Oxides of Nitrogen emissions as follows:

$75(A) + 0.031(744)(B) + 0.024(2613)(C) < \text{or} = 190,000$
lbs

where,

A = low sulfur No. 6 fuel oil fired (per 1000 gallon) by the powerhouse boilers.

B = Combined operating time (hours) for each generator (3, 4 and 5) less than 600 hp.

C = Combined operating time (hours) for each generator (1 and 2) greater than 600 hp.

Generator operating time shall be based on actual metered run clock observations. Boiler fuel values shall be based on actual metered fuel fired reconciled with recorded fuel delivery receipts. The 190,000 pound per year limit shall be based on a 12 month rolling average.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 10: Air pollution prohibited

Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 10.1:

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 11: Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 225-1.2(a)(2)

Item 11.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-0MAIN

Process: OIL

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Wallkill/Shawangunk Correctional facility shall not use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than 1 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

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: 1.0 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 12: Compliance Demonstration

Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 225-1.2(a)(2)

Item 12.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Emission Unit: 1-GENER

Emission Unit: 1-GENER

Process: DSL

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Walkkill/Shawangunk Correctional facility shall not use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than 1.5 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 13: Compliance Demonstration

Effective between the dates of 11/23/2004 and Permit Expiration Date

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

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0MAIN

Emission Unit: 0-0MAIN Emission Point: 00001

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100



Monitoring Description:

The Wallkill/Shawangunk Correctional facility shall comply with a particulate emission limit of 0.20 lbs per million BTU. Compliance with this limit shall be determined using the USEPA AP-42 formula of $((9.19(S) + 3.22) \text{ lbs}/1000 \text{ gal}) (1/150,000 \text{ BTU}/\text{gal}) (10^6 \text{ BTU}/\text{mmBTU}) < 0.20 \text{ lbs}/\text{mmBTU}$. The variable S represents weight percent of sulfur in fuel oil.

Weight percent sulfur in fuel oil shall be documented by fuel supplier certification.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

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

Condition 14: Emission Point Definition By Emission Unit
Effective between the dates of 11/23/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 14.1:

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

Emission Unit: 0-0MAIN

Emission Point: 00001

Height (ft.): 65

Diameter (in.): 39

Building: 15

Item 14.2:

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

Emission Unit: 1-GENER

Emission Point: 00002

Height (ft.): 30

Diameter (in.): 10

Emission Point: 00003

Height (ft.): 15

Diameter (in.): 6



New York State Department of Environmental Conservation

Permit ID: 3-5152-00100/00011

Facility DEC ID: 3515200100

Emission Point: 00004
Height (ft.): 15 Diameter (in.): 6

Emission Point: 00005
Height (ft.): 15 Diameter (in.): 6

Emission Point: 00006
Height (ft.): 15 Diameter (in.): 6

**Condition 15: Process Definition By Emission Unit
Effective between the dates of 11/23/2004 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 15.1:

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:
THE THREE POWERHOUSE BOILERS FIRE NO. 6
FUEL OIL WITH A MAXIMUM SULFUR CONTENT OF
0.37%.

Emission Source/Control: 00B01 - Combustion
Design Capacity: 12.2 million Btu per hour

Emission Source/Control: 00B02 - Combustion
Design Capacity: 27.7 million Btu per hour

Emission Source/Control: 00B03 - Combustion
Design Capacity: 27.7 million Btu per hour

Item 15.2:

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

Emission Unit: 1-GENER
Process: DSL
Process Description:
COMBUSTION OF DIESEL FUEL WITHIN
GENERATORS WHICH PROVIDE EMERGENCY POWER
AND ENERGY DEMAND RESPONSE.

Emission Source/Control: GEN01 - Combustion
Design Capacity: 938 horsepower (electric)

Emission Source/Control: GEN02 - Combustion

New York State Department of Environmental Conservation
Permit ID: 3-5152-00100/00011 Facility DEC ID: 3515200100



Design Capacity: 1,675 horsepower (electric)

Emission Source/Control: GEN03 - Combustion
Design Capacity: 241 horsepower (electric)

Emission Source/Control: GEN04 - Combustion
Design Capacity: 469 horsepower (electric)

Emission Source/Control: GEN05 - Combustion
Design Capacity: 34 horsepower (electric)