

New York State Department of Environmental Conservation

Permit ID: 3-3922-00003/00008

Facility DEC ID: 3392200003



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: GENON BOWLINE LLC
140 SAMSONDALE AVE
WEST HAVERSTRAW, NY 10993

Facility: BOWLINE GENERATING STATION
140 SAMSONDALE AVE
WEST HAVERSTRAW, NY 10993

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date: 06/28/2012

Permit Expiration Date: 06/27/2017

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Facility DEC ID: 3392200003



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:

KENNETH R GRZYB
NYSDEC REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature:

A handwritten signature in black ink, appearing to read "Ken Grzyb", written over a horizontal line.

Date: 6/28/2012



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~~Carrollton, Md. 20785~~

Condition 21: ~~Recycling and Emissions Reduction~~

~~Effective between the dates of 06/28/2012 and 06/27/2017~~

~~Applicable Federal Requirement: 40 CFR 82, Subpart F~~

~~Item 21.1:~~

~~The permittee shall comply with all applicable provisions of 40 CFR Part 82.~~

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 22: Emission Unit Definition

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 22.1:

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

Emission Unit: 1-00001

Emission Unit Description:

BOILER NO. 1 - A COMBUSTION ENGINEERING TANGENTIALLY-FIRED BOILER WITH A MAXIMUM HEAT INPUT OF 5546 MMBTU/HR. THIS UNIT CAN FIRE NATURAL GAS OR NO. 6 FUEL OIL (0.37% MAXIMUM SULFUR CONTENT). THIS EMISSION UNIT ALONG WITH BOILER NO. 2 EMPLOYS SYSTEM-WIDE AVERAGING FOR THE DETERMINATION AND REPORTING OF NO_x EMISSIONS.

Building(s): BLD01

Item 22.2:

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

Emission Unit: 1-00002

Emission Unit Description:

BOILER NO. 2 - A BABCOCK & WILCOX OPPOSED WALL-FIRED BOILER WITH A MAXIMUM HEAT INPUT OF 5,374 MMBTU/HR. THIS UNIT CAN FIRE NATURAL GAS OR NO. 6 FUEL OIL (0.37% MAX SULFUR CONTENT). THIS EMISSION UNIT ALONG WITH BOILER NO. 1 EMPLOYS SYSTEM-WIDE AVERAGING FOR THE DETERMINATION AND REPORTING OF NO_x EMISSIONS.

Building(s): BLD01

~~Item 22.3:~~

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

~~Emission Unit: 1-WAWTP~~



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~~Emission Unit Description:~~

~~WASTEWATER TREATMENT PLANT OPERATES TO TREAT RUNOFF FROM PLANT DRAINS. THE PLANT USES ACID AND CAUSTIC TO MODIFY THE PH OF THE WATER AND FERROUS SULFATE TO PRECIPITATE SOLIDS INCLUDING METALS. CLEAN WATER IS DISCHARGED TO THE HUDSON RIVER. OPERATIONS ARE MONITORED THROUGH CONDITIONS WITHIN THE EXISTING SPDES PERMIT NO. 3-3922-3-3. FUGITIVE EMISSIONS WERE DETERMINED FOR OUTFALL 001 WHICH IS THE DISCHARGE POINT FOR THE WASTEWATER TREATMENT PLANT. OTHER DISCHARGE POINTS MUST MONITOR FOR OIL AND GREASE CONTENT, BUT VOC EMISSIONS ARE EXPECTED TO BE NEGLIGIBLE.~~

~~Building(s): WWTP~~

~~Condition 23: Air pollution prohibited~~

~~Effective between the dates of 06/28/2012 and 06/27/2017~~

~~Applicable Federal Requirement:6 NYCRR 211.1~~

~~Item 23.1:~~

~~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 24: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

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

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. 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: 0.37 percent by weight



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Reference Test Method: EPA approved

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 01/26/2013 for the period 06/28/2012 through 12/27/2012

Condition 25: ~~Compliance Certification~~

~~Effective between the dates of 06/28/2012 and 06/27/2017~~

~~Applicable Federal Requirement: 6 NYCRR 225.1.7 (c)~~

Item 25.1:

~~The Compliance Certification activity will be performed for the Facility.~~

Item 25.2:

~~Compliance Certification shall include the following monitoring:~~

~~Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES~~

~~Monitoring Description:~~

~~Part 225.1.7(c) requires that measurements must be made daily of the rate of each fuel burned. Also, the facility must measure the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate. This information must be retained by the source owner for a period of three years.~~

~~Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION~~

~~Reporting Requirements: SEMI-ANNUALLY (CALENDAR)~~

~~Reports due 30 days after the reporting period.~~

~~The initial report is due 7/30/2012.~~

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

Condition 26: ~~Compliance Certification~~

~~Effective between the dates of 06/28/2012 and 06/27/2017~~

~~Applicable Federal Requirement: 6 NYCRR 225.1.8 (a)~~

Item 26.1:

~~The Compliance Certification activity will be performed for the Facility.~~

Item 26.2:

~~Compliance Certification shall include the following monitoring:~~

~~Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES~~

~~Monitoring Description:~~

~~The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.~~

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~~monitored. The certification shall state that: [245.8.5(e)]
i) the monitoring data submitted were recorded in accordance with
the applicable requirements of this Subpart and 40 CFR Part 75,
including the quality assurance procedures and specifications; and
ii) for a unit with add-on SO₂ emission controls and for all hours
where SO₂ data are substituted in accordance with 40 CFR 75.34(a)(1),
the add-on emission controls were operating within the range of
parameters listed in the quality assurance/quality control program
under appendix B to 40 CFR Part 75 and the substitute data values do
not systematically underestimate SO₂ emissions.~~

~~Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 3 calendar month(s).~~

Condition 46: Compliance Certification
Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 46.1:

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

Emission Unit: 1-00001
Process: 1OL

Emission Unit: 1-00002
Process: 2OL

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Effective July 1, 2014

Bowline Units 1 and 2 shall comply with an emission limit of 0.25
pounds/MMBTU while such units are fired with oil, as measured on a 24
hour calendar day average during ozone season.

Manufacturer Name/Model Number: NO_x Analyzer
Upper Permit Limit: 0.25 pounds per million Btus
Reference Test Method: EPA Approved
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

Subsequent reports are due every 3 calendar month(s).

Condition 47: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement:6 NYCRR 249.3 (a)

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-00001

Process: 1GS

Emission Unit: 1-00002

Process: 2GS

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Effective July 1, 2014

Bowline Units 1 and 2 shall comply with an emission limit of 0.15 pounds/MMBTU while such units are fired with natural gas, as measured on a 30 day rolling average during non ozone season.

Manufacturer Name/Model Number: NOx Analyzer

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

Subsequent reports are due every 3 calendar month(s).

Condition 48: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement:6 NYCRR 249.3 (a)

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: 1-00001
Process: 1GS

Emission Unit: 1-00002
Process: 2GS

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Effective July 1, 2014

Bowline Units 1 and 2 shall comply with an emission limit of 0.15 pounds/MMBTU while such units are fired with natural gas, as measured on a 24 hour calendar day average during ozone season.

Manufacturer Name/Model Number: NOx Analyzer
Upper Permit Limit: 0.15 pounds per million Btus
Reference Test Method: EPA Approved
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 3 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 49.1:

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

Emission Unit: 1-00001
Process: 1OL

Emission Unit: 1-00002
Process: 2OL

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 49.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Effective July 1, 2014

Bowline Units 1 and 2 shall comply with an emission limit of 0.25 pounds/MMBTU while such units are fired with oil, as measured on a 30 day rolling average during non ozone season.

Manufacturer Name/Model Number: NOx Analyzer

Upper Permit Limit: 0.25 pounds per million Btus

Reference Test Method: EPA Approved

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

Subsequent reports are due every 3 calendar month(s).

Condition 50: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-00001

Process: 1OL

Emission Unit: 1-00002

Process: 2OL

Regulated Contaminant(s):

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Beginning July 1, 2014 GenOn shall limit oil firing to no more than 4.6 million barrels during the non-ozone season (October 1 through April 30)

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 460 1000 barrels

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 51.1:

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

Emission Unit: 1-00001
Process: 1OL

Emission Unit: 1-00002
Process: 2OL

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Beginning July 1, 2014 GenOn shall limit oil firing to no more than
3.1 million barrels during the ozone season (May 1 through September
30)

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 310 1000 barrels

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE
MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

~~**Condition 52: Monitoring requirements.**~~
~~**Effective between the dates of 06/28/2012 and 06/27/2017**~~

~~**Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A**~~

~~**Item 52.1:**~~

~~All continuous monitoring systems and devices shall be installed, calibrated, maintained, and
operated in accordance with the requirements of section 60.13.~~

~~**Condition 53: Compliance Certification**~~

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~~Process Description: OUTFALL 001F OF THE WASTEWATER TREATMENT PLANT.~~

~~Emission Source/Control: WAWTP - Process~~

Condition 57: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (f)

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-00001

Emission Unit: 1-00002

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO_x, SO₂, and/or PM₁₀ established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification

Effective between the dates of 06/28/2012 and 06/27/2017

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (1)

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

~~Condition 59: Compliance Certification~~
~~Effective between the dates of 06/28/2012 and 06/27/2017~~

~~Applicable Federal Requirement: 6 NYCRR 227.1.4 (b)~~

~~Item 59.1:~~

~~The Compliance Certification activity will be performed for:~~

~~Emission Unit: 1-00001~~

~~Emission Point: 00001~~

~~Item 59.2:~~

~~Compliance Certification shall include the following monitoring:~~

~~Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES~~

~~Monitoring Description:~~

~~The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:~~

- ~~1) Magnitude, date, and time of each exceedence;~~
- ~~2) For each period of excess emissions, specific identification of the cause and corrective action taken;~~
- ~~3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;~~
- ~~4) Total time the COMS is required to record data during the reporting period;~~
- ~~5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and~~
- ~~6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).~~

~~Reporting Requirements: QUARTERLY (CALENDAR)~~

~~Reports due 30 days after the reporting period.~~

~~The initial report is due 7/30/2012.~~