

Facility DEC ID: 2610100071

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility

Permit ID: 2-6101-00071/00024

Effective Date:

Expiration Date:

Permit Issued To: The Brooklyn Union Gas Company
1 METROTECH CTR
BROOKLYN, NY 11201-3831

Contact: CATHY WAXMAN
NATIONAL GRID
175 E OLD COUNTRY RD
HICKSVILLE, NY 11801-4280
(516) 545-2579

Facility: GREENPOINT ENERGY CTR
287 MASPETH AVE
BROOKLYN, NY 11211

Description:

The Greenpoint Energy Center of Brooklyn is located at 287 Maspeth Avenue in Brooklyn, NY. National Grid is seeking to repermit the Greenpoint Energy Center from a major Title V permit to a state facility permit. In addition, the facility is also installing two new Compressed Natural Gas (CNG) injection heaters and two new vaporizers.

The facility is bringing additional CNG to the Plant to be injected into National Grid gas system as needed during periods of peak demand. The additional CNG will be delivered by trucks which will allow up to 48 trucks per day (worst case condition) during periods of peak demand in the winter.

The new vaporizers 13 and 14 are identical to the newly installed vaporizer 11. The new vaporizers are being installed to meet the increased demand for natural gas and increase facility's send out capacity.

This permit is to do the following:

1. Install two (2) new gas-fired CNG injection heaters. Each heater is equipped with two (2) 4.0 MMBtu/hr burners for a total of 4 burners with total capacity of 16 MMBtu/hr. The new heaters will supplement natural gas supply by injecting CNG delivered by trucks as needed during periods of peak demand. Each burner will exhaust through individual stack for a total of four (4) new stacks. The new CNG injection heaters are being permitted under emission unit U-NCNGH.

2. Install two (2) new 42.76 MMBtu/hr vaporizers to be used to vaporize liquefied natural gas (LNG). The new vaporizers, also called vaporizers 13 and 14, will exhaust

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through individual stacks. These units are being permitted under emission units U-7404G, and U-7404H, respectively.

3.National Grid is requesting the Department convert the existing Title V air permit be converted to a state facility air permit since the current actual emissions of oxides of nitrogen (NOx) are well below the Title V major source threshold of 25 tons per year.

With this permit conversion, the facility’s existing six (6) vaporizers will remain, two (2) existing vaporizers are being removed and two (2) new vaporizers are being installed, for a total of eight (8) vaporizers. The plant's three (3) 300 KW natural gas-fired engine-generators, two (2) 195 bhp natural gas-fired engine driven CNG refueling compressors, and one manual paint coating line remain unchanged. There are also exempt small natural gas fired boilers and chillers used for comfort heating or cooling, gas-fired process heaters, portable generator and fire pump engine.

Total facility NOx emissions are expected to be well below the Title V major source threshold of 25 tons per year. Therefore, National Grid is seeking to convert the existing Title V permit to a State Facility permit and accepting a facility-wide NOx CAP of 24.9 tons per year.

The facility NOx emissions are capped at 24.9 tons per year.

Records demonstrating compliance with this cap will be kept in accordance with the permit specific conditions.

The facility is subject to the provisions of State Facility requirements specified under 6NYCRR 201-7.

The Air State Facility permit contains a listing of the applicable federal, state, and facility specific compliance monitoring requirements.

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: STEPHEN A WATTS
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5401

Authorized Signature: _____ Date: ____ / ____ / ____

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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.

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- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 5 5 Submission of application for permit modification or renewal -
REGION 2 HEADQUARTERS

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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 the expiration of permits for Title V and 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

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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 2 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 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997

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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Permit Issued To: The Brooklyn Union Gas Company
1 METROTECH CTR
BROOKLYN, NY 11201-3831

Facility: GREENPOINT ENERGY CTR
287 MASPETH AVE
BROOKLYN, NY 11211

Authorized Activity By Standard Industrial Classification Code:
4923 - GAS TRANSMISSION AND DISTRIBUTION
4925 - GAS PRODUCTION/DISTRIBUTION

Permit Effective Date:

Permit Expiration Date:

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- 6 2 6 NYCRR 201-3.2 (a): Compliance Demonstration
- 6 3 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- 6 *4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 9 5 6 NYCRR 211.2: Visible Emissions Limited
- 9 6 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 9 7 6 NYCRR 225-1.6 (f): Compliance Demonstration
- 10 8 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 11 9 40CFR 60, NSPS Subpart JJJJ: Applicability
- 11 10 40CFR 63, Subpart JJJJJ: Applicability
- 11 11 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP

Emission Unit Level

EU=U-MTOP1,Proc=PP1,ES=ESMO1

- 11 12 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Demonstration

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- 14 13 ECL 19-0301: Contaminant List
- 14 14 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 15 15 6 NYCRR Subpart 201-5: Emission Unit Definition
- 18 16 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 18 17 6 NYCRR 201-5.3 (c): CLCPA Applicability
- 19 18 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 19 19 6 NYCRR 211.1: Air pollution prohibited

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- 19 20 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 22 21 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.

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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

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permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

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

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

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

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

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

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

Item K: Permit Exclusion - ECL 19-0305

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

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

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 201-3.2 (a)

Item 1.1:

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The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 2: Compliance Demonstration
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 201-3.2 (a)

Item 2.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500.0 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3: Facility Permissible Emissions
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 3.1:

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: 0NY210-00-0

PTE: 49,800 pounds per year

Name: OXIDES OF NITROGEN

Condition 4: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 4.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to

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the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

- 6 NYCRR Subpart 201-6
- 6 NYCRR Subpart 231-2

Item 4.2:

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

Item 4.3:

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

Item 4.4:

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

The facility owner or operator shall limit emissions of Oxides of Nitrogen (NOx) to less than 49,800 pounds (24.9 tons) per year on a rolling 12-month total basis.

In order to demonstrate compliance with this limit the facility owner or operator shall maintain a record of the quantity of each fuel fired at the facility on a monthly basis.

The facility owner or operator shall calculate monthly and rolling 12-month total NOx emissions (including exempt sources) using the

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following formula:

$$(A \times E1) + (B \times E2) + (C \times E3) + (D \times E4) + (E \times E5) + (F \times E6) + (G \times E7) = \text{monthly NOx emissions (pounds)}$$

Where:

A = The latest AP-42 emission factor for natural gas fired in new CNG injection heaters, in lb/mmscf;

E1 = Monthly total natural gas fired in new CNG injection heaters, in mmscf;

B = The latest AP-42 emission factor for natural gas fired in vaporizers, in lb/mmscf;

E2 = Monthly total natural gas fired in vaporizers, in mmscf;

C = The latest facility specific emission rate (Stack Test of 8/25/2003), 1,420 lb/mmscf;

E3 = Monthly total natural gas fired in 300 kW engine generator, in mmscf;

D = The latest AP-42 emission factor for natural gas fired in 195 bhp existing CNG engines, in lb/mmscf;

E4 = Monthly total natural gas fired in 195 bhp existing CNG engines, in mmscf;

E = The latest AP-42 emission factor for natural gas fired in exempt boilers, chillers and process heaters, in lb/mmscf;

E5 = Monthly total natural gas fired in exempt boilers, chillers and process heaters, in mmscf;

F = The latest AP-42 emission factor for natural gas fired in exempt emergency portable generator, in lb/mmscf;

E6 = Monthly total natural gas fired in exempt emergency portable generator, in mmscf;

G = The latest AP-42 emission factor for distillate oil fired in exempt and trivial activity equipment, in lb/gal;

E7 = Monthly total distillate oil fired in exempt and trivial activity equipment, in gal.

The facility owner or operator shall maintain a record of each monthly and rolling 12-month total calculation performed pursuant to this condition and all data used when making the calculation.

All records kept pursuant to this condition shall be maintained at the facility for a period of at least five years and must be provided to the Department upon request.

The facility owner or operator shall prepare and submit an annual capping certification to the Department. Each certification shall contain the monthly and rolling 12-month total NOx emissions calculated pursuant to this condition. In addition, the report shall contain a summary of the data used to perform the calculations.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 24.9 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 5: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 5.1:

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

Condition 6: Compliance Demonstration
Effective for entire length of Permit

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

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND 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 7: Compliance Demonstration
Effective for entire length of Permit

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Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 7.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedances takes place.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

All other facility owners or distributors must submit these records and summaries upon request of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 8: Compliance Demonstration
Effective for entire length of Permit**

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

Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 8.2:

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

Reference Test Method: EPA Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 9: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 9.1:

Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

Condition 10: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 10.1:

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJJ.

Condition 11: Engines at Area sources of HAP
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 11.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

Condition 12: Compliance Demonstration
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 228-1.4 (b) (4) (ii)

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-MTOP1

Process: PP1

Emission Source: ESMO1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

Item 12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A facility operating a Miscellaneous Metal Parts Coatings coating line may not use coatings with VOC contents, as applied, which exceed the appropriate limits specified in Table B4 of 6 NYCRR Subpart 228-1.4(b)(4). The units in Table B4 are in terms of pounds of VOC per gallon of coating (minus water and excluded compounds) at application. Sampling and testing of any coating to confirm VOC content compliance must be performed in a manner directed by and at the request of the Department.

For miscellaneous metal parts coating the following types of coatings and coating operations are exempt from the VOC content limits of table B4:

- (a) stencil coating;
- (b) safety-indicating coatings;
- (c) solid-film lubricants;
- (d) electric-insulating and thermal-conducting coatings;
- (e) magnetic data storage disk coatings; and
- (f) plastic extruded into metal parts to form a coating.

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds of VOC per pound of coating

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

STATE ONLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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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 13: Contaminant List
Effective for entire length of Permit

Applicable State Requirement:ECL 19-0301

Item 13.1:

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: 0NY998-00-0
Name: VOC

Condition 14: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 201-1.4

Item 14.1:

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

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

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

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

**Condition 15: Emission Unit Definition
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 15.1:

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

Emission Unit: 0-U534A

Emission Unit Description:

Engine Generator #1, natural gas-fired engine driving a 300 kW generator to supply on-site power for LNG Facility and process heat.

Building(s): LNG CONTRO

Item 15.2:

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

Emission Unit: 0-U534B

Emission Unit Description:

Engine Generator #2, natural gas-fired engine driving a 300 kW generator to supply on-site power for the LNG Facility and process heat.

Building(s): LNG CONTRO

Item 15.3:

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

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

Emission Unit: 0-U534C

Emission Unit Description:

Engine Generator #3, natural gas-fired engine driving a 300 kW generator to supply on-site power to LNG Facility and process heat.

Building(s): LNG CONTRO

Item 15.4:

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

Emission Unit: U-7404A

Emission Unit Description:

This emission unit (also called vaporizer #7) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat-exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack.

Building(s): VAPOR #7

Item 15.5:

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

Emission Unit: U-7404B

Emission Unit Description:

This emission unit (also called vaporizer #8) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat-exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack.

Building(s): VAPOR #8

Item 15.6:

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

Emission Unit: U-7404C

Emission Unit Description:

This emission unit (also called vaporizer #9) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat-exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack.

Building(s): VAPOR #9

Item 15.7:

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

Emission Unit: U-7404D

Emission Unit Description:

This emission unit (also called vaporizer #10) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat-exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack.

Building(s): VAPOR #10

Item 15.8:

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

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

Emission Unit: U-7404E

Emission Unit Description:

This emission unit (also called New Vaporizer 11) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack. Nox emissions are controlled through water injection into the combustion chamber.

Building(s): VAPOR #11

Item 15.9:

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

Emission Unit: U-7404F

Emission Unit Description:

This emission unit (also called New Vaporizer 12) is a boiler designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack. NOx emissions are controlled through water injection into the combustion chamber.

Building(s): VAPOR #12

Item 15.10:

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

Emission Unit: U-7404G

Emission Unit Description:

This new emission unit (also called Vaporizer #13) is a vaporizer designed to vaporize liquefied natural gas (LNG). It is identical to vaporizer #11. LNG is circulated in a series of heat exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack. NOx emissions are controlled through water injection into the combustion chamber.

Building(s): VAPOR #13

Item 15.11:

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

Emission Unit: U-7404H

Emission Unit Description:

This new emission unit (also called Vaporizer #14) is a vaporizer designed to vaporize liquefied natural gas (LNG). LNG is circulated in a series of heat exchanger tubes, immersed in a water tank heated by natural gas fired burners. Exhaust is through a single stack. NOx emissions are controlled through water injection into the combustion chamber.

Building(s): VAPOR #14

Item 15.12:

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

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

Emission Unit: U-CNG01

Emission Unit Description:

This emission unit consists of two Caterpillar gas industrial engines.

Building(s): CNG STAT

Item 15.13:

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

Emission Unit: U-MTOP1

Emission Unit Description:

This emission unit is of a manual coating line used to paint refurbished natural gas meters prior to returning them to service. Only complying latex paint (VOC content less than 3.5 lbs/gal) is used. According to letter received by DEC on April 25, 2017, from National Grid, this unit now uses 10 gallons per year of paint.

Building(s): METER OP

Item 15.14:

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

Emission Unit: U-NCNGH

Emission Unit Description:

This emission unit consists of two (2) new gas-fired CNG injection heaters. Each heater is equipped with two (2) 4.0 MMBtu/hr burners for a total of 4 burners with total capacity of 16 MMBtu/hr (Emission Sources CNGH1, CNGH2, CNGH3, and CNGH4). The new CNG heaters will supplement natural gas supply by injecting CNG delivered by trucks as needed during periods of peak demand. Each burner will exhaust through individual stack for a total of four (4) new stacks for the two heaters (Emission Points CNGH1, CNGH2, CNGH3, CNGH4).

Building(s): OUTSIDE

**Condition 16: Renewal deadlines for state facility permits
Effective for entire length of Permit**

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

Item 16.1:

The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Condition 17: CLCPA Applicability
Effective for entire length of Permit**

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

Item 17.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA)

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and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

**Condition 18: Compliance Demonstration
Effective for entire length of Permit**

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

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 18.2:

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 2
47-40 21st St.
Long Island City, NY 11101

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 19: Air pollution prohibited
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 211.1

Item 19.1:

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.

**** Emission Unit Level ****

**Condition 20: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 20.1:

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

Emission Unit: 0-U534A

Emission Point: EPOG1

Height (ft.): 24 Diameter (in.): 8

NYTMN (km.): 4508.726 NYTME (km.): 590.358 Building: LNG

CONTRO

Item 20.2:

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

Emission Unit: 0-U534B

Emission Point: EPOG2

Height (ft.): 24 Diameter (in.): 8

NYTMN (km.): 4508.726 NYTME (km.): 590.358 Building: LNG

CONTRO

Item 20.3:

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

Emission Unit: 0-U534C

Emission Point: EPOG3

Height (ft.): 24 Diameter (in.): 8

NYTMN (km.): 4508.726 NYTME (km.): 590.358 Building: LNG

CONTRO

Item 20.4:

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

Emission Unit: U-7404A

Emission Point: EP007

Height (ft.): 21 Diameter (in.): 36

NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #7

Item 20.5:

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

Emission Unit: U-7404B

Emission Point: EP008

Height (ft.): 21 Diameter (in.): 36

NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #8

Item 20.6:

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

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

Emission Unit: U-7404C

Emission Point: EP009

Height (ft.): 21 Diameter (in.): 36
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #9

Item 20.7:

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

Emission Unit: U-7404D

Emission Point: EP010

Height (ft.): 21 Diameter (in.): 36
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #10

Item 20.8:

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

Emission Unit: U-7404E

Emission Point: EP011

Height (ft.): 21 Diameter (in.): 36
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #11

Item 20.9:

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

Emission Unit: U-7404F

Emission Point: EP012

Height (ft.): 21 Diameter (in.): 36
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #12

Item 20.10:

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

Emission Unit: U-7404G

Emission Point: EP013

Height (ft.): 18 Diameter (in.): 38
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #13

Item 20.11:

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

Emission Unit: U-7404H

Emission Point: EP014

Height (ft.): 18 Diameter (in.): 36
NYTMN (km.): 4508.637 NYTME (km.): 590.371 Building: VAPOR #14

Item 20.12:

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

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

Emission Unit: U-CNG01

Emission Point: CNG01
 Height (ft.): 10 Diameter (in.): 6
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: CNG STAT

Emission Point: CNG02
 Height (ft.): 10 Diameter (in.): 6
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: CNG STAT

Item 20.13:

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

Emission Unit: U-MTOP1

Emission Point: EPM01
 Height (ft.): 25 Diameter (in.): 22
 NYTMN (km.): 4508.211 NYTME (km.): 589.943 Building: METER OP

Item 20.14:

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

Emission Unit: U-NCNGH

Emission Point: CNGH1
 Height (ft.): 13 Diameter (in.): 14
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: OUTSIDE

Emission Point: CNGH2
 Height (ft.): 13 Diameter (in.): 14
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: OUTSIDE

Emission Point: CNGH3
 Height (ft.): 13 Diameter (in.): 14
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: OUTSIDE

Emission Point: CNGH4
 Height (ft.): 13 Diameter (in.): 14
 NYTMN (km.): 4508.111 NYTME (km.): 590.322 Building: OUTSIDE

**Condition 21: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1:

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

Emission Unit: 0-U534A
 Process: PG1 Source Classification Code: 2-01-002-02
 Process Description:

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Facility DEC ID: 2610100071

This process generates electricity for use at this facility utilizing natural gas fired reciprocating internal combustion engine.

Emission Source/Control: ESOG1 - Combustion
Design Capacity: 300 kilowatts

Item 21.2:

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

Emission Unit: 0-U534B
Process: PG2 Source Classification Code: 2-01-002-02
Process Description:
This process generates electricity for use at this facility utilizing natural gas fired reciprocating internal combustion engine.

Emission Source/Control: ESOG2 - Combustion
Design Capacity: 300 kilowatts

Item 21.3:

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

Emission Unit: 0-U534C
Process: PG3 Source Classification Code: 2-01-002-02
Process Description:
This process generates electricity for use at this facility utilizing natural gas fired reciprocating internal combustion engine.

Emission Source/Control: ESOG3 - Combustion
Design Capacity: 300 kilowatts

Item 21.4:

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

Emission Unit: U-7404A
Process: P07 Source Classification Code: 1-02-006-02
Process Description:
This process is the combustion of natural gas in a LNG vaporizer. The operating schedule and throughput are approximate, actual operation is limited by the cumulative operation of all sources at this facility.

Emission Source/Control: ES007 - Combustion
Design Capacity: 48 million Btu per hour

Item 21.5:

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

Emission Unit: U-7404B
Process: P08 Source Classification Code: 1-02-006-02
Process Description:
This process is the combustion of natural gas in a LNG vaporizer. The operating schedule and throughput are approximate, actual operation is limited by the cumulative operation of all sources at

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this facility.

Emission Source/Control: ES008 - Combustion
Design Capacity: 48 million Btu per hour

Item 21.6:

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

Emission Unit: U-7404C
Process: P09 Source Classification Code: 1-02-006-02
Process Description:

This process is the combustion of natural gas in a LNG vaporizer. The operating schedule and throughput are approximate, actual operation is limited by the cumulative operation of all sources at this facility.

Emission Source/Control: ES009 - Combustion
Design Capacity: 48 million Btu per hour

Item 21.7:

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

Emission Unit: U-7404D
Process: P10 Source Classification Code: 1-02-006-02
Process Description:

This process is the combustion of natural gas in a LNG vaporizer. The operating schedule and throughput are approximate, actual operation is limited by the cumulative operation of all sources at this facility.

Emission Source/Control: ES010 - Combustion
Design Capacity: 48 million Btu per hour

Item 21.8:

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

Emission Unit: U-7404E
Process: P11 Source Classification Code: 1-02-006-02
Process Description:

This process is the combustion of natural gas in an LNG vaporizer.

Emission Source/Control: ES011 - Combustion
Design Capacity: 42.76 million Btu per hour

Item 21.9:

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

Emission Unit: U-7404F
Process: P12 Source Classification Code: 1-02-006-02
Process Description:

This process is the combustion of natural gas in an LNG vaporizer.

Emission Source/Control: ES012 - Combustion
Design Capacity: 42.76 million Btu per hour

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

Item 21.10:

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

Emission Unit: U-7404G
Process: P13 Source Classification Code: 1-02-006-02
Process Description:
This process is the combustion of natural gas in an LNG vaporizer.

Emission Source/Control: ES013 - Combustion
Design Capacity: 42.76 million Btu per hour

Item 21.11:

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

Emission Unit: U-7404H
Process: P14 Source Classification Code: 1-02-006-02
Process Description:
This process is the combustion of natural gas in an LNG vaporizer.

Emission Source/Control: ES014 - Combustion
Design Capacity: 42.76 million Btu per hour

Item 21.12:

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

Emission Unit: U-CNG01
Process: CNG Source Classification Code: 2-01-002-02
Process Description:
This process involves the operation of two natural gas reciprocating internal combustion engines driving gas compressors, used for refueling compressed natural gas (CNG) vehicles. The operating schedule and throughput are approximate, actual operation is limited by the cumulative operation of all sources at this facility.

Emission Source/Control: ECNG1 - Combustion
Design Capacity: 195 brake horsepower

Emission Source/Control: ECNG2 - Combustion
Design Capacity: 195 brake horsepower

Item 21.13:

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

Emission Unit: U-MTOP1
Process: PP1 Source Classification Code: 4-02-025-01
Process Description: Repaint refurbished natural gas meters.

Emission Source/Control: ESMO1 - Process
Design Capacity: 10 gallons per year

Item 21.14:

Permit ID: 2-6101-00071/00024

Facility DEC ID: 2610100071

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

Emission Unit: U-NCNGH

Process: GAS

Source Classification Code: 1-03-006-03

Process Description:

This process is the firing of natural gas in the new CNG injection heaters.

Emission Source/Control: CNGH1 - Combustion

Design Capacity: 4 million Btu per hour

Emission Source/Control: CNGH2 - Combustion

Design Capacity: 4 million Btu per hour

Emission Source/Control: CNGH3 - Combustion

Design Capacity: 4 million Btu per hour

Emission Source/Control: CNGH4 - Combustion

Design Capacity: 4 million Btu per hour

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 2610100071 Facility GREENPOINT ENERGY CTR

Location 287 MASPETH AVE BROOKLYN, NY 11211

Permit ID 2-6101-00071/00024 Application Recv'd 05/11/2020 Renewal No: 0

Permit Type ASF Status Draft

Compliance Assurance Monitoring

| <u>Monitored Parameter</u> | | <u>Lower Limit</u> | <u>Upper Limit</u> | <u>Activity Type</u> |
|---|------------------------------|--------------------|--------------------|--|
| <u>Cond</u> | <u>Regulated Contaminant</u> | <u>Units</u> | | <u>Reporting Frequency</u> |
| <u>Num</u> | <u>Process Material</u> | <u>Units</u> | | <u>Monitoring Frequency</u> |
| | | | | <u>Averaging Method</u> |
| 2 | **** **** **** | | 500.0 | WORK PRACTICE INVOLVING SPECIFIC OPERATIONS |
| AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS. | | | | UPON REQUEST BY REGULATORY AGENCY |
| | | | | MONTHLY |
| | | | | ANNUAL MAXIMUM ROLLED MONTHLY |

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 2610100071 Facility GREENPOINT ENERGY CTR

Location 287 MASPETH AVE BROOKLYN, NY 11211

Permit ID 2-6101-00071/00024 Application Recv'd 05/11/2020 Renewal No: 0

Permit Type ASF Status Draft

Compliance Assurance Monitoring

| Monitored Parameter | | Activity Type | |
|---------------------|-----------------------|----------------------|-------------|
| Cond | Regulated Contaminant | Lower Limit | Upper Limit |
| Num | Process Material | Units | |
| | | Reporting Frequency | |
| | | Monitoring Frequency | |
| | | Averaging Method | |

| | | | | |
|-----|--------------------|---------------|------|---|
| 4 | OXIDES OF NITROGEN | | 24.9 | MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE |
| CAP | OXIDES OF NITROGEN | tons per year | | ANNUALLY (CALENDAR) |
| | **** | | | |

THE FACILITY OWNER OR OPERATOR SHALL LIMIT EMISSIONS OF OXIDES OF NITROGEN (NOX) TO LESS THAN 49,800 POUNDS (24.9 TONS) PER YEAR ON A ROLLING 12-MONTH TOTAL BASIS.

MONTHLY

IN ORDER TO DEMONSTRATE COMPLIANCE WITH THIS LIMIT THE FACILITY OWNER OR OPERATOR SHALL MAINTAIN A RECORD OF THE QUANTITY OF EACH FUEL FIRED AT THE FACILITY ON A MONTHLY BASIS.

ANNUAL MAXIMUM ROLLED MONTHLY

THE FACILITY OWNER OR OPERATOR SHALL CALCULATE MONTHLY AND ROLLING 12-MONTH TOTAL NOX EMISSIONS (INCLUDING EXEMPT SOURCES) USING THE FOLLOWING FORMULA:

$$(A \times E1) + (B \times E2) + (C \times E3) + (D \times E4) + (E \times E5) + (F \times E6) + (G \times E7) = \text{MONTHLY NOX EMISSIONS (POUNDS)}$$

WHERE:

A = THE LATEST AP-42 EMISSION FACTOR FOR NATURAL GAS FIRED IN NEW CNG INJECTION HEATERS, IN LB/MMSCF;

E1 = MONTHLY TOTAL NATURAL GAS FIRED IN NEW CNG INJECTION HEATERS, IN MMSCF;

B = THE LATEST AP-42 EMISSION FACTOR FOR NATURAL GAS FIRED IN VAPORIZERS, IN LB/MMSCF;

E2 = MONTHLY TOTAL NATURAL GAS FIRED IN VAPORIZERS, IN MMSCF;

C = THE LATEST FACILITY SPECIFIC EMISSION RATE (STACK TEST OF 8/25/2003), 1,420 LB/MMSCF;

E3 = MONTHLY TOTAL NATURAL GAS FIRED IN 300 KW ENGINE GENERATOR, IN MMSCF;

D = THE LATEST AP-42 EMISSION FACTOR FOR NATURAL GAS FIRED IN 195 BHP EXISTING CNG ENGINES, IN LB/MMSCF;

E4 = MONTHLY TOTAL NATURAL GAS FIRED IN 195 BHP EXISTING CNG ENGINES, IN MMSCF;

E = THE LATEST AP-42 EMISSION FACTOR FOR NATURAL GAS FIRED IN EXEMPT BOILERS, CHILLERS AND PROCESS HEATERS, IN LB/MMSCF;

E5 = MONTHLY TOTAL NATURAL GAS FIRED IN EXEMPT BOILERS, CHILLERS AND PROCESS HEATERS, IN MMSCF;

F = THE LATEST AP-42 EMISSION FACTOR FOR NATURAL GAS FIRED IN EXEMPT EMERGENCY PORTABLE GENERATOR, IN LB/MMSCF;

E6 = MONTHLY TOTAL NATURAL GAS FIRED IN EXEMPT EMERGENCY PORTABLE GENERATOR, IN MMSCF;

G = THE LATEST AP-42 EMISSION FACTOR FOR DISTILLATE OIL FIRED IN EXEMPT AND TRIVIAL ACTIVITY EQUIPMENT, IN LB/GAL;

E7 = MONTHLY TOTAL DISTILLATE OIL FIRED IN EXEMPT AND TRIVIAL ACTIVITY EQUIPMENT, IN GAL.

THE FACILITY OWNER OR OPERATOR SHALL MAINTAIN A RECORD OF EACH MONTHLY AND ROLLING 12-MONTH TOTAL CALCULATION PERFORMED PURSUANT TO THIS CONDITION AND ALL DATA USED WHEN MAKING THE CALCULATION.

ALL RECORDS KEPT PURSUANT TO THIS CONDITION SHALL BE MAINTAINED AT THE FACILITY FOR A PERIOD OF AT LEAST FIVE YEARS AND MUST BE PROVIDED TO THE DEPARTMENT UPON REQUEST.

THE FACILITY OWNER OR OPERATOR SHALL PREPARE AND SUBMIT AN ANNUAL CAPPING CERTIFICATION TO THE DEPARTMENT EACH

**** No Data

A2

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DEC ID 2610100071 Facility GREENPOINT ENERGY CTR

Location 287 MASPETH AVE BROOKLYN, NY 11211

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Permit Type ASF Status Draft

Compliance Assurance Monitoring

| Monitored Parameter | | | | Activity Type |
|--|--|-------------|-------------|---|
| Cond | Regulated Contaminant | Lower Limit | Upper Limit | Reporting Frequency |
| Num | Process Material | Units | | Monitoring Frequency |
| | | | | Averaging Method |
| <p>THE FACILITY OWNER OR OPERATOR SHALL RETAIN AND SUBMIT AN ANNUAL SAFETY CERTIFICATION TO THE DEPARTMENT. EACH CERTIFICATION SHALL CONTAIN THE MONTHLY AND ROLLING 12-MONTH TOTAL NOX EMISSIONS CALCULATED PURSUANT TO THIS CONDITION. IN ADDITION, THE REPORT SHALL CONTAIN A SUMMARY OF THE DATA USED TO PERFORM THE CALCULATIONS.</p> | | | | |
| 6 | SULFUR CONTENT **** DISTILLATES - NUMBER 1 AND NUMBER 2 OIL OWNERS AND/OR OPERATORS OF A STATIONARY COMBUSTION INSTALLATIONS THAT FIRE DISTILLATE OIL ARE LIMITED TO THE FIRING OF DISTILLATE OIL WITH 0.0015 PERCENT SULFUR BY WEIGHT OR LESS ON OR AFTER JULY 1, 2016. COMPLIANCE WITH THIS LIMIT WILL BE BASED ON VENDOR CERTIFICATIONS. DATA COLLECTED PURSUANT TO THIS SUBPART MUST BE TABULATED AND SUMMARIZED IN A FORM ACCEPTABLE TO THE DEPARTMENT, AND MUST BE RETAINED FOR AT LEAST FIVE YEARS. THE OWNER OF A TITLE V FACILITY MUST FURNISH TO THE DEPARTMENT SUCH RECORDS AND SUMMARIES, ON A SEMIANNUAL CALENDAR BASIS, WITHIN 30 DAYS AFTER THE END OF THE SEMIANNUAL PERIOD. ALL OTHER FACILITY OWNERS OR DISTRIBUTORS MUST SUBMIT THESE RECORDS AND SUMMARIES UPON REQUEST OF THE DEPARTMENT. | | 0.0015 | WORK PRACTICE INVOLVING SPECIFIC OPERATIONS AS REQUIRED - SEE MONITORING DESCRIPTION PER DELIVERY MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR |
| 7 | **** **** **** FACILITY OWNERS SUBJECT TO THIS SUBPART MUST SUBMIT A WRITTEN REPORT OF THE FUEL SULFUR CONTENT EXCEEDING THE APPLICABLE SULFUR-IN-FUEL LIMITATION, MEASURED EMISSIONS EXCEEDING THE APPLICABLE SULFUR-IN-FUEL LIMITATION, MEASURED EMISSIONS EXCEEDING THE APPLICABLE EQUIVALENT EMISSION RATE, AND THE NATURE AND CAUSE OF SUCH EXCEEDANCES IF KNOWN, FOR EACH CALENDAR QUARTER, WITHIN 30 DAYS AFTER THE END OF ANY QUARTERLY PERIOD IN WHICH AN EXCEEDANCES TAKES PLACE. DATA COLLECTED PURSUANT TO THIS SUBPART MUST BE TABULATED AND SUMMARIZED IN A FORM ACCEPTABLE TO THE DEPARTMENT, AND MUST BE RETAINED FOR AT LEAST FIVE YEARS. THE OWNER OF A TITLE V FACILITY MUST FURNISH TO THE DEPARTMENT SUCH RECORDS AND SUMMARIES, ON A SEMIANNUAL CALENDAR BASIS, WITHIN 30 DAYS AFTER THE END OF THE SEMIANNUAL PERIOD. ALL OTHER FACILITY OWNERS OR DISTRIBUTORS MUST SUBMIT THESE RECORDS AND SUMMARIES UPON REQUEST OF THE DEPARTMENT. | | | RECORD KEEPING/MAINTENANCE PROCEDURES AS REQUIRED - SEE MONITORING DESCRIPTION AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION AVERAGING METHOD - SEE MONITORING DESCRIPTION |

Summary of Compliance Requirements

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DEC ID 2610100071 Facility GREENPOINT ENERGY CTR

Location 287 MASPETH AVE BROOKLYN, NY 11211

Permit ID 2-6101-00071/00024 Application Recv'd 05/11/2020 Renewal No: 0

Permit Type ASF Status Draft

Compliance Assurance Monitoring

| <u>Monitored Parameter</u> | | <u>Lower Limit</u> | <u>Upper Limit</u> | <u>Activity Type</u> |
|----------------------------|--|--------------------|--------------------|---|
| <u>Cond</u> | <u>Regulated Contaminant</u> | <u>Units</u> | | <u>Reporting Frequency</u> |
| <u>Num</u> | <u>Process Material</u> | <u>Units</u> | | <u>Monitoring Frequency</u> |
| | | | | <u>Averaging Method</u> |
| 8 | OPACITY | | 20 | MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE |
| | **** | percent | | UPON REQUEST BY REGULATORY AGENCY |
| | **** | | | AS REQUIRED - SEE PERMIT 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. | | | 6-MINUTE AVERAGE (METHOD 9) |

Summary of Compliance Requirements

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Compliance Assurance Monitoring

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|---------------------|-----------------------|-------------|-------------|----------------------|
| Cond | Regulated Contaminant | Units | | Reporting Frequency |
| Num | Process Material | | | Monitoring Frequency |
| | | | | Averaging Method |

Emission Unit: U-MTOP1 Process: PP1 Emission Source: ESMO1

| | | | | |
|----|--|--|-----|---|
| 12 | VOC CONTENT VOC **** | | 3.5 | MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE AS REQUIRED - SEE MONITORING DESCRIPTION |
| | <p>A FACILITY OPERATING A MISCELLANEOUS METAL PARTS COATINGS COATING LINE MAY NOT USE COATINGS WITH VOC CONTENTS, AS APPLIED, WHICH EXCEED THE APPROPRIATE LIMITS SPECIFIED IN TABLE B4 OF 6 NYCRR SUBPART 228-1.4(B)(4). THE UNITS IN TABLE B4 ARE IN TERMS OF POUNDS OF VOC PER GALLON OF COATING (MINUS WATER AND EXCLUDED COMPOUNDS) AT APPLICATION. SAMPLING AND TESTING OF ANY COATING TO CONFIRM VOC CONTENT COMPLIANCE MUST BE PERFORMED IN A MANOR DIRECTED BY AND AT THE REQUEST OF THE DEPARTMENT.</p> <p>FOR MISCELLANEOUS METAL PARTS COATING THE FOLLOWING TYPES OF COATINGS AND COATING OPERATIONS ARE EXEMPT FROM THE VOC CONTENT LIMITS OF TABLE B4:</p> <p>(A) STENCIL COATING; (B) SAFETY-INDICATING COATINGS; (C) SOLID-FILM LUBRICANTS; (D) ELECTRIC-INSULATING AND THERMAL-CONDUCTING COATINGS; (E) MAGNETIC DATA STORAGE DISK COATINGS; AND (F) PLASTIC EXTRUDED INTO METAL PARTS TO FORM A COATING.</p> | | | AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION AVERAGING METHOD - SEE MONITORING DESCRIPTION |

Summary of Compliance Requirements

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Compliance Assurance Monitoring

| <u>Monitored Parameter</u> | | <u>Lower Limit</u> | <u>Upper Limit</u> | <u>Activity Type</u> |
|----------------------------|--|--------------------|--------------------|--|
| <u>Cond</u> | <u>Regulated Contaminant</u> | | | <u>Reporting Frequency</u> |
| <u>Num</u> | <u>Process Material</u> | <u>Units</u> | | <u>Monitoring Frequency</u> |
| | | | | <u>Averaging Method</u> |
| 18 | **** **** **** 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 2 47-40 21ST ST. LONG ISLAND CITY, NY 11101 | | | RECORD KEEPING/MAINTENANCE PROCEDURES UPON REQUEST BY REGULATORY AGENCY AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION AVERAGING METHOD - SEE MONITORING DESCRIPTION |

Summary of Compliance Requirements

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Permit Type ASF Status Draft

Facility Permissible Emissions

0NY210-00-0 OXIDES OF NITROGEN

49800 pounds per year