



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-4215-00054/00173
Mod 0 Effective Date: 04/06/2015 Expiration Date: 04/05/2020
Mod 2 Effective Date: 01/29/2015 Expiration Date: No expiration date.
Mod 3 Effective Date: 10/08/2015 Expiration Date: 04/05/2020
Mod 4 Effective Date: 09/08/2016 Expiration Date: 04/05/2020
Mod 5 Effective Date: 10/04/2016 Expiration Date: 04/05/2020

Permit Issued To: GENERAL ELECTRIC COMPANY
3135 EASTON TPKE
FAIRFIELD, CT 06828

Contact: Nathan McCormick
GE Energy
1 River Road Bldg 273-400
Schenectady, NY 12345
(518) 385-1348

Facility: GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL
1 RIVER RD
SCHENECTADY, NY 12345

Contact: Tyler Starr
GE Steam Turbine Generator Global
1 River Rd
Schenectady, NY 12345
(518) 385-6360

Description:

This permit modification changes existing exempt research and development sources to permitted sources. Existing Permit requirements will be applicable to these permitted sources. No new equipment, controls, or regulations will be applicable to the facility. The sources changing from exempt to permitted sources are thermal spray booth systems located in building 40.

New York State Department of Environmental Conservation
Facility DEC ID: 4421500054



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: ANGELO A MARCUCCIO
 NYSDEC - REGION 4
 1130 N WESTCOTT RD
 SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
 - Applications for permit renewals, modifications and transfers
 - Applications for permit renewals, modifications and transfers
 - Applications for permit renewals, modifications and transfers
 - Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

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 4-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 4-1.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 4-1.2:

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

Item 4-1.3

Permits are transferrable with the approval of the department unless specifically prohibited by



New York State Department of Environmental Conservation
Facility DEC ID: 4421500054

the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 5-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 5-1.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 5-1.2:

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

Item 5-1.3

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;



- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 4 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 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: GENERAL ELECTRIC COMPANY
3135 EASTON TPKE
FAIRFIELD, CT 06828

Facility: GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL
1 RIVER RD
SCHENECTADY, NY 12345

Authorized Activity By Standard Industrial Classification Code:
3511 - TURBINES AND TURBINE GENERATOR

Mod 0 Permit Effective Date: 04/06/2015	Permit Expiration Date: 04/05/2020
Mod 3 Permit Effective Date: 10/08/2015	Permit Expiration Date: 04/05/2020
Mod 4 Permit Effective Date: 09/08/2016	Permit Expiration Date: 04/05/2020
Mod 5 Permit Effective Date: 10/04/2016	Permit Expiration Date: 04/05/2020



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 4-1 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *4-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 27 6 NYCRR Part 207: Submittal of Episode Action Plans
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 6 NYCRR 212.4 (b): Emissions from new emission sources and/or modifications not specified by Table 2
- 30 6 NYCRR 212.4 (c): Compliance Certification
- 31 6 NYCRR 212.4 (c): Compliance Certification
- 32 6 NYCRR 212.6 (a): Compliance Certification
- 33 6 NYCRR 212.6 (a): Compliance Certification
- 34 6 NYCRR 212.10 (a): NO_x and VOC RACT at Major Facilities
- 35 6 NYCRR 212.10 (e): RACT Applicability for Major Facilities
- 36 6 NYCRR 212.11 (a): Sampling and Monitoring
- 37 6 NYCRR 225-1.2 (e): Compliance Certification
- 38 6 NYCRR 225-1.2 (f): Compliance Certification
- 39 6 NYCRR 225-1.2 (g): Compliance Certification
- 40 6 NYCRR 225-1.2 (h): Compliance Certification
- 41 6 NYCRR 225-1.2 (i): Compliance Certification



- 42 6 NYCRR 227-1.3: Compliance Certification
- 43 6 NYCRR 227-1.3: Compliance Certification
- 44 6 NYCRR 227-1.3 (a): Compliance Certification
- 45 6 NYCRR 227-1.6: Corrective Action
- 4-3 6 NYCRR 227-2.4 (d): Compliance Certification
- 47 6 NYCRR 228-1.1 (a) (3): Once in always in
- 48 6 NYCRR 228-1.2 (b): Compliance Certification
- 49 6 NYCRR 228-1.3 (a): Compliance Certification
- 50 6 NYCRR 228-1.3 (e) (2): Compliance Certification
- 51 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification
- 52 6 NYCRR 228-1.5 (a): Compliance Certification
- 53 6 NYCRR 228-1.5 (b): Natural gas fired VOC incineration control
device efficiency and seasonal shut down.
- 54 6 NYCRR 228-1.6 (a): Compliance Certification
- 55 6 NYCRR 228-1.6 (c): Surface coating access for sampling
- 57 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 58 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 59 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 60 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 61 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 62 40CFR 60.7(e), NSPS Subpart A: Monitoring frequency waiver.
- 63 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 64 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or
Local Agency
- 65 40CFR 60.8, NSPS Subpart A: Compliance Certification
- 66 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver
- 67 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 68 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 69 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 70 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 71 40CFR 60.9, NSPS Subpart A: Availability of information.
- 72 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 73 40CFR 60.12, NSPS Subpart A: Circumvention.
- 74 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 75 40CFR 60.14, NSPS Subpart A: Modifications.
- 76 40CFR 60.15, NSPS Subpart A: Reconstruction
- 77 40CFR 60.47c(a), NSPS Subpart Dc: Compliance Certification
- 78 40CFR 60.47c(f), NSPS Subpart Dc: Compliance Certification
- 79 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 80 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification
- 81 40CFR 60.732(b), NSPS Subpart UUU: Compliance Certification
- 82 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 83 40CFR 82, Subpart H: Halon Emissions Reduction

Emission Unit Level

- 84 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 85 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 86 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 87 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=1-GNRTR

- *88 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *89 6 NYCRR Subpart 201-7: Capping Monitoring Condition

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- *90 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 91 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal

EU=1-GNRTR,Proc=CC1

- 92 6 NYCRR 212.4 (c): Compliance Certification
- 93 6 NYCRR 212.6 (a): Compliance Certification
- 94 6 NYCRR 228-1.3 (b) (1): Compliance Certification
- 95 6 NYCRR 228-1.3 (b) (2): Compliance Certification

EU=1-GNRTR,Proc=G01

- 96 6 NYCRR 228-1.6 (d): Compliance Certification
- 97 6 NYCRR 228-1.6 (e): VOC content of gas stream test methods

EU=1-GNRTR,EP=03056,Proc=B17

- *98 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=1-GNRTR,EP=03057,Proc=B17

- *99 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=1-GNRTR,EP=04064,Proc=CY1

- *100 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=1-GNRTR,EP=04066,Proc=CY1

- *101 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=1-GNRTR,EP=04072,Proc=CY1

- *102 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=1-STDLO

- 103 6 NYCRR 227-1.7: General Provisions
- 4-4 6 NYCRR 227-2.4 (b): Compliance Certification
- 104 40CFR 60.7(a), NSPS Subpart A: Date of construction notification -
If a COM is not used.
- 4-5 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification

EU=1-STDLO,Proc=NG3

- *5-1 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *4-7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *105 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 4-8 6 NYCRR 227-2.4 (b) (1): Compliance Certification
- 107 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of
nitrogen standard.
- 108 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 109 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of
nitrogen.
- 110 40CFR 60.46b(e)(4), NSPS Subpart Db: Compliance Certification
- 111 40CFR 60.48b(g), NSPS Subpart Db: Alternative monitoring for oxides
of nitrogen.
- 112 40CFR 60.49b(c), NSPS Subpart Db: Plan for Monitoring of Steam
Generating Unit Operating Conditions
- 113 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 114 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification



- 115 40CFR 60.49b(h)(2), NSPS Subpart Db: Compliance Certification
- 116 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
- 117 40CFR 60.49b(v), NSPS Subpart Db: Reporting and Recordkeeping -
Electronic report submittal
- 118 40CFR 60.49b(w), NSPS Subpart Db: Reporting Period

EU=B-ATTRY

- *119 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *120 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 121 6 NYCRR 231-11.2 (c): Compliance Certification
- 122 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -
if a COM is used.

EU=B-ATTRY,Proc=CF1

- 123 6 NYCRR 212.4 (c): Compliance Certification

EU=B-ATTRY,Proc=CP2

- 124 6 NYCRR 212.4 (a): Compliance Certification
- 125 6 NYCRR 212.4 (a): Compliance Certification

EU=B-ATTRY,Proc=PP3

- 126 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 127 40CFR 60.732(a), NSPS Subpart UUU: Standards for particulate matter
- 128 40CFR 60.732(a), NSPS Subpart UUU: Compliance Certification
- 129 40CFR 60.736, NSPS Subpart UUU: Test methods and procedures

EU=B-ATTRY,Proc=PP5

- 130 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 131 40CFR 60.732(a), NSPS Subpart UUU: Standards for particulate matter
- 132 40CFR 60.732(a), NSPS Subpart UUU: Compliance Certification
- 133 40CFR 60.736, NSPS Subpart UUU: Test methods and procedures

EU=B-ATTRY,Proc=TF1

- 134 6 NYCRR 212.4 (a): Compliance Certification
- 135 6 NYCRR 212.4 (a): Compliance Certification
- 136 6 NYCRR 212.4 (a): Compliance Certification

EU=B-OILRS

- 4-9 6 NYCRR 227-2.5 (a): Compliance Certification
- 4-10 6 NYCRR 227-2.5 (a): Compliance Certification
- 4-11 6 NYCRR 227-2.5 (a): Compliance Certification

EU=B-OILRS,Proc=67O

- 137 6 NYCRR 227-1.3: Compliance Certification
- 138 40CFR 52.21, Subpart A: Compliance Certification
- 139 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 140 40CFR 60.42c(g), NSPS Subpart Dc: Averaging period.
- 141 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 142 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 143 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance methods
for sulfur dioxide.
- 144 40CFR 60.45c, NSPS Subpart Dc: Compliance methods for particulate



matter.

- 145 40CFR 60.46c(d)(1), NSPS Subpart Dc: Compliance Certification
- 146 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 147 40CFR 60.48c(b), NSPS Subpart Dc: Compliance Certification
- 148 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Certification
- 149 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
- 150 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Certification
- 151 40CFR 60.48c(e)(2), NSPS Subpart Dc: Compliance Certification

EU=B-OILRS,Proc=67O,ES=0002A

- *4-12 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=B-OILRS,Proc=B5O

- 4-13 6 NYCRR 227-1.3: Compliance Certification
- 154 6 NYCRR 227-1.3: Compliance Certification
- 156 40CFR 52.21, Subpart A: Compliance Certification

EU=B-OILRS,EP=00004

- 157 6 NYCRR 227-1.2 (b): Multiple combustion sources.

EU=E-I0001

- 5-2 6 NYCRR 212-1.5 (g): Compliance Certification
- 5-3 6 NYCRR 212-1.6 (a): Compliance Certification
- 5-4 6 NYCRR 212-1.7 (a): Emission Testing Using Approved Procedures

EU=E-VAPOR,Proc=L6A

- 158 6 NYCRR 212.4 (a): Compliance Certification

EU=E-XMBLR

- 4-14 6 NYCRR 227-2.4 (d): Compliance Certification

EU=S-ANDER,Proc=SAN

- 160 6 NYCRR 212.4 (c): Compliance Certification

EU=T-URBIN

- *161 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 162 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal

EU=T-URBIN,Proc=CC2

- 163 6 NYCRR 212.4 (c): Compliance Certification
- 164 6 NYCRR 212.6 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 165 ECL 19-0301: Contaminant List
- 166 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 167 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 168 6 NYCRR 227-1.2 (a) (2): Compliance Demonstration

EU=E-I0001



5-5 6 NYCRR 212-2.1 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

Owners and/or operators of facilities having an issued Title V 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.

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and



reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;

ii. The liability of a permittee of the Title V



facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide



a shorter time period in the case of an emergency.

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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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.

Condition 2: Fees
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.



Condition 5: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring



report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate



whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 6: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;

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and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/06/2015 and 04/05/2020



Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**



The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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.

Condition 11: Recycling and Salvage
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 13.1:

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 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section 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 required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 4-1: Right to Inspect
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 4-1.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

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Condition 16: Right to Inspect
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Off Permit Changes
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 04/06/2015 and 04/05/2020



Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 19: Accidental release provisions.
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

**Condition 20: Recycling and Emissions Reduction
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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.

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Condition 21: Emission Unit Definition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 5):

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

Emission Unit: 1-STDLO

Emission Unit Description:

This emission is comprised of two 244 mmBtu/hr natural gas fired boilers that will provide steam to the Steam Turbine Testing Laboratory (STTL). The boilers are to be used for activities related to the testing of turbines and other deminimus STTL-related processes. The boilers will not be used to provide steam to the manufacturing plant. The boilers will exhaust to two individual emission points.

Building(s): 263B

Item 21.2(From Mod 5):

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

Emission Unit: B-ATTRY

Emission Unit Description:

This emission unit is comprised of those processes associated with sodium metal halide battery production. This emission unit is comprised of a calciner, spray dryers, tube firing kilns, plasma spray, process ovens, and assembly operations. All processes associated with this emission unit will be located in Building 66. Emissions include products of combustion from natural gas fired process sources and particulate emissions from raw material powder handling, HCl from sodium tetrachloride preparation, and VOC's from coating and ink applications.

Building(s): 66

Item 21.3(From Mod 5):

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

Emission Unit: E-I0001

Emission Unit Description:

This emission unit consists of three thermal spray cells, located in building 40 including associated equipment and air pollution control devices. The thermal spray cells are completely enclosed and are used to apply ceramic and metal powders to parts using high velocity oxygen flame (HVOF) or plasma.

Building(s): 40

Item 21.4(From Mod 0):

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

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Emission Unit: 1-GNRTR

Emission Unit Description:

This emission unit is comprised of those processes associated with generator production. This emission unit is comprised of surface coating operations, ventilation of turbine test bunkers, curing ovens, and autoclave curing processes.

This emission unit is being capped for VOC, NO_x, and SO₂ emissions to avoid triggering new source review requirements.

Building(s): 273
281

Item 21.5(From Mod 0):

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

Emission Unit: 1-LASER

Emission Unit Description:

This emission unit is comprised of the laser welding operation, and is comprised of emission source 3086A and controls 3086B and 3086C.

Building(s): 273

Item 21.6(From Mod 4):

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

Emission Unit: B-OILRS

Emission Unit Description:

Three boilers equipped with low NO_x burners, each capable of burning natural gas or residual #6 fuel oil. Each boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil. Two of the three boilers are subject to NSPS standards pursuant to 40CFR 60, subpart Dc. During permitting before installation, emissions of NO_x from boilers #6 and #7 were capped to avoid PSD requirements. To accomplish this, the usage of #6 fuel oil was limited so that no more than 49% of the BTU input to each boiler is contributed by oil on a 365-day rolling basis. Subsequently, firing of No. 6 fuel oil has been limited to times of natural gas curtailment, natural gas supply emergencies, and periodic testing not to exceed 48 hours per year. Source 0002A is boiler 7 and has its own separate stack - 00002. Sources 0004A and 0004B are boilers 5 and 6 respectively and are tied to one stack - 00004. The condensing heat exchanger (CHX) recovers heat from the boilers and has its own emission point 00014.

Building(s): 265

Item 21.7(From Mod 0):

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

Emission Unit: E-LBATH

Emission Unit Description:

Electrolytic bath used for surface finishing (deburring) of generator punchings.

Building(s): 273

Item 21.8(From Mod 0):

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

Emission Unit: E-VAPOR

Emission Unit Description:

This emission unit will be comprised of one existing gas fired (0.39 MMBTU/hr) water evaporator that separates water from an oil/water stream.

Building(s): 273-L6A

Item 21.9(From Mod 4):

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

Emission Unit: E-XMBLR

Emission Unit Description:

This emission unit is comprised of two 8.4 million BTU/hour boilers serving buildings 2 and 5. Each boiler fires natural gas only.

Building(s): 5

Item 21.10(From Mod 0):

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

Emission Unit: S-ANDER

Emission Unit Description:

Sanding and deburring operations consisting of sources 3081A, 3081C, 3082A, 3082C, 3083A, 3083C, 3084A, and 3085A and 3087A. Each source is controlled with dust collectors.

Building(s): 273

Item 21.11(From Mod 0):

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

Emission Unit: T-URBIN

Emission Unit Description:

This emission unit includes emissions from the application of surface coatings to steam turbines, and miscellaneous metal parts. The coating operations occur in both a stationary spray booth, with multiple emission points, and portable spray booths that generate fugitive emissions. Only compliant coatings are applied.

Building(s): 273

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Item 21.12(From Mod 0):

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

Emission Unit: U-0WELD

Emission Unit Description:

Emission unit U-0WELD will consist of three welding emission sources (WELD1, WELD2, and ORBIT) and one control device (OHEPA), which will receive welding emissions from WELD1 and WELD2. Two processes, fine line welding (FLW) and build up welding (BUW) will be performed by emission sources WELD1 and WELD2, which will vent to OHEPA, then to the room. A third welding operation (ORBIT) is an orbital welder that will conduct gas tungsten arc welding (GTAW) of pipes and other parts used in the manufacture and repair of generators, turbines, and other support equipment. Orbital welding will consume electrodes and an inert gas, and will vent to the room.

Building(s): 273

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 22.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 23: Facility Permissible Emissions
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 23.1:

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: 0NY100-00-0 (From Mod 5) PTE: 48,000 pounds
per year

Name: TOTAL HAP

Condition 4-2: Capping Monitoring Condition



Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Replaces Condition(s) 24

Item 4-2.1:

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

6 NYCRR Subpart 201-6

Item 4-2.2:

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

Item 4-2.3:

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

Item 4-2.4:

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

Item 4-2.5:

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

Item 4-2.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 4-2.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Records shall be maintained that indicate facility
emissions from point and fugitive sources of hazardous air



pollutants (HAPs). Individual HAP emissions from sources at the facility shall not exceed 18,000 pounds during any 12 consecutive months. Total HAP emissions from sources at the facility shall not exceed 48,000 pounds during any 12 consecutive months. All required records shall be maintained on-site at the facility in a manual log format or data acquisition/calculation system for at least five years and shall remain available for inspection by the Department, upon request.

All HAP on site shall be included in the facility's HAP emission records. Furthermore, these HAPs shall be subject to the individual HAP limit (18,000 pounds/consecutive 12 month period) and shall be included in the total HAP limit (48,000 pounds/consecutive 12 month period).

The facility shall calculate HAP emissions using purchase, usage, and/or production records. Where purchase records are used, it shall be assumed that what is purchased for a period is emitted during that period. Process knowledge and control device efficiencies shall also be used to determine emissions.

When using 'purchase records', the total pounds of a chemical product that is purchased (calculated using the volume of material purchased and the density of the product or other weight/volume measurement as determined by the chemical product manufacturer) shall be multiplied by the weight percentage of individual HAP contained in the chemical product to determine emitted HAP for the purchase period.

When using 'usage records', the actual use of a chemical product in a volume measurement or other use quantity (for example: rolls of tape), as indicated on usage log sheets, shall be multiplied by an emission factor for individual HAP contained in the chemical product to determine emitted HAP for the use period. The emission factor shall be determined by multiplying the density of the material or other weight/unit measurement (for example: lb/roll of tape) and the weight percentage of individual HAP contained in the chemical product.

When using 'production records', a production measurement (for example: inches of punchings) shall be multiplied by a usage factor (for example: gallons coating/inch of punchings). The volume of usage shall be multiplied by an emission factor for individual HAP contained in the chemical product to determine emitted HAP for the use period. The emission factor shall be determined by multiplying the density of the material or other

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weight/unit measurement and the weight percentage of individual HAP contained in the chemical product.

Weight percentage and product density or weight/unit measurement shall be obtained from the Material Safety Data Sheets (MSDS) or other data source provided by the chemical product manufacturer.

Within 30 days of the close of each month, the facility shall calculate rolling 12-month HAP emissions for the period ending in the previous month. For each month that the rolling 12-month HAP emissions are 80% or more of the individual or total HAP limit, written notification shall be provided to the RAPCE at the Region 4 RAPCE address specified elsewhere in this permit. The notification shall identify the rolling 12-month HAP emissions and the percentage of the HAP limit which the emissions represent.

Compliance with this condition shall indicate the facility is not a major source of HAPs, per the definition of "major stationary source or major source" contained in 6NYCRR 201-2.1(b), both for individual HAPs and total HAPs.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 48000 pounds
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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

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40 CFR 52.21

Item 25.2:

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

Item 25.3:

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 25.4:

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 25.5:

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 25.6:

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

Emission Unit: B-OILRS Process: 67O	Emission Source: 0002A
Emission Unit: B-OILRS Process: 67O	Emission Source: 0004B
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall monitor and record fuel usage to maintain emissions below the PSD applicability threshold requirement of 40 tons per year significant increase for Sulfur Dioxide (SO₂). To stay below the significant increase determined in netting analysis (9-9-1994),

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sources 0002A (Boiler #7) and 0004B (Boiler#6) shall not exceed 128.2 tons per year SO₂ emissions each. Emission CAP shall be met by restricting fuel usage.

Based on the limitation of 49 percent of the total allowed heat input, each boiler shall be restricted to firing 2,724,900 gallons of residual fuel oil in any consecutive 12 month period.

Compliance for sources 0002A and 0004B shall be determined by summing the individual fuel usage during any consecutive 12 month period. By the end of each month, the facility shall calculate total fuel usage for the previous month and total fuel usage for the previous consecutive 12 month period. Monthly fuel usage shall be determined by collecting daily fuel usage amounts.

[NOTE: The 128.2 tons per year restriction and the NO_x RACT requirement of not being fired primarily with residual oil (i.e. the limitation of 49 percent of the total allowed heat input for firing oil) were implemented in Special Conditions dated 01/06/95 (developed as a result of an 08/24/94 PSD Netting analysis for Boilers #6 and #7) for a previous emission point permit.]

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: NUMBER 6 OIL
Upper Permit Limit: 2724900 gallons per year
Monitoring Frequency: DAILY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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

6 NYCRR 227-2.4 (c)
40 CFR 52.21

Item 26.2:

Operation of this facility shall take place in accordance with the approved criteria, emission

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fired primarily with residual oil. The 98 ton limit is based on firing each unit with 49 percent oil.

Based on the previous installation of low NOx burners (and subsequent Department acceptance in 1996 of a stack test report indicating NOx of less than 0.1 pounds per million BTUs when firing gas and 0.3 pounds per million BTUs when firing residual oil), the maximum heat input capacity of each boiler when firing gas is 861,984 million BTUs per year. When firing combination of gas and oil, the total BTU input to each boiler shall not exceed 837,228 million BTUs per year, where heat content for natural gas is 1,014 BTUs per cubic foot and residual oil is 150,000 BTUs per gallon. To prevent each boiler from firing primarily with residual oil, the BTU input from firing oil shall not exceed 49 percent of 837,228 million BTUs per year.

Based on the limitation of 49 percent of the total allowed heat input, each boiler shall be restricted to firing 2,724,900 gallons of residual fuel oil in any consecutive 12 month period.

Compliance for sources 0002A and 0004B shall be determined by summing the individual fuel usage during any consecutive 12 month period. By the end of each month, the facility shall calculate total fuel usage for the previous month and total fuel usage for the previous consecutive 12 month period. Monthly fuel usage shall be determined by collecting daily fuel usage amounts.

[NOTE: The 98.0 tons per year restriction and the NOx RACT requirement of not being fired primarily with residual oil (i.e. the limitation of 49 percent of the total allowed heat input for firing oil) were implemented in Special Conditions dated 01/06/95 (developed as a result of an 08/24/94 PSD Netting analysis for Boilers #6 and #7) for a previous emission point permit.]

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 6 OIL

Upper Permit Limit: 2724900 gallons per year

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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



Condition 27: Submittal of Episode Action Plans
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Part 207

Item 27.1:

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 28: Air pollution prohibited
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 211.1

Item 28.1:

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 29: Emissions from new emission sources and/or modifications
not specified by Table 2
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 29.1:

This Condition applies to:

Emission Unit: 1GNRTR
Process: AIR

Emission Unit: 1GNRTR
Process: B17

Emission Unit: 1GNRTR
Process: CLN

Emission Unit: 1GNRTR
Process: CY1

Emission Unit: 1GNRTR
Process: CY2

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Emission Unit: 1GNRTR
Process: K24

Emission Unit: 1GNRTR
Process: STM

Emission Unit: 1GNRTR
Process: VNT

Item 29.2: For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Condition 30: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 30.1:

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

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: LA2

Emission Unit: 1-LASER

Emission Unit: E-LBATH
Process: BTH

Emission Unit: E-VAPOR
Process: L6A

Emission Unit: S-ANDER
Process: SAN

Emission Unit: T-URBIN
Process: CC2

Emission Unit: U-OWELD

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted by the facility at the request of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 31.1:

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

Emission Unit: 1-LASER

Emission Unit: U-0WELD

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission sources and controls shall be operated and maintained according to good engineering practice. Inspections of the HEPA filter shall be performed once per month during months the process operates. Filters must be changed on a regular basis and be maintained to ensure compliance.

Documentation shall be maintained by keeping records as appropriate to demonstrate compliance. Records shall include detailing the months the emission process operates, the results of the inspections, routine maintenance activities, malfunctions, and any repairs and/or corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations, as necessary, shall be retained at the facility for five

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years after the date of the last entry, and, upon request, shall be made available for Department review.

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 7/30/2015.

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

Condition 32: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-ATTRY
Process: AC2

Emission Unit: B-ATTRY
Process: AC3

Emission Unit: B-ATTRY
Process: BA1

Emission Unit: B-ATTRY
Process: CA1

Emission Unit: B-ATTRY
Process: CA2

Emission Unit: B-ATTRY
Process: CA3

Emission Unit: B-ATTRY
Process: CF1

Emission Unit: B-ATTRY
Process: CP2

Emission Unit: B-ATTRY
Process: TF1

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an

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average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 33.1:

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

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Emission Unit: 1-GNRTR
Process: AIR

Emission Unit: 1-GNRTR
Process: B17

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: CY1

Emission Unit: 1-GNRTR
Process: CY2

Emission Unit: 1-GNRTR
Process: G01

Emission Unit: 1-GNRTR
Process: K24

Emission Unit: 1-GNRTR
Process: LA2

Emission Unit: 1-GNRTR
Process: STM

Emission Unit: 1-GNRTR
Process: VNT

Emission Unit: E-VAPOR
Process: L6A

Emission Unit: S-ANDER
Process: SAN

Emission Unit: T-URBIN
Process: CC2

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



The permittee will conduct a Method 9 observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The observer performing the Method 9 observation will be certified in Method 9 observation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

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

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 34: NOx and VOC RACT at Major Facilities
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.10 (a)

Item 34.1:

Owners and/or operators of facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements of section 212.10-Reasonably Available Control Technology for major facilities.



Condition 35: RACT Applicability for Major Facilities
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.10 (e)

Item 35.1:

All process sources applicable to 6 NYCRR Part 212.10 after May 31, 1995 will remain subject to all provisions of that section even if the facility's annual potential to emit of nitrogen oxides or volatile organic emissions falls below the applicability thresholds.

Condition 36: Sampling and Monitoring
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.11 (a)

Item 36.1:

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.

Condition 37: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the purchase of residual oil with a sulfur content of 0.50% sulfur on or after July 1, 2014 and to the firing of residual oil with a sulfur content of 0.50% on or after July 1, 2016.

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.



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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: 0.50 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 38: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. 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: NUMBER 2 HEATING 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 39: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020



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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. 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 40: Compliance Certification

Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion

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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 41: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires waste oil on or after July 1, 2014 are limited to the firing of waste oil with 0.75 percent sulfur by weight or less.

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.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.75 percent by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 42.1:

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

Emission Unit: B-OILRS
Process: 67O

Emission Unit: B-OILRS
Process: B5O

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Department has approved an alternate monitoring plan in accordance with 40 CFR 60.47c(f)(3) in lieu of measuring opacity using a Continuous Monitoring System (COMS).

The results of each required observation will be recorded on the appropriate field data sheet and maintained for record keeping purposes. The field data sheets will be completed in their entirety in order to document the conditions at the time of the observation and the person performing the observation. The logbook and field data sheets will be retained at the facility for five years after the date of the last entry.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 43: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020



Applicable Federal Requirement:6 NYCRR 227-1.3

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-OILRS

Process: 67O

Emission Unit: B-OILRS

Process: B5O

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Department has approved an alternate monitoring plan in accordance with 40 CFR 60.47c(f)(3) in lieu of measuring opacity using a Continuous Monitoring System (COMS).

When one or more of the boilers (i.e., Boiler #5, #6, and / or #7) is operating on No. 6 fuel oil, GE, will observe the emission points once per day for the presence of visible emissions (not including condensed water vapor within the plume). Stacks will be observed within a 24-hour period following stabilization after-up on No. 6 fuel oil. The boilers are considered to be stabilized once the manufacturer recommended operating pressure is reached. Visible emissions observations will be performed for a minimum of 15 minutes once per day while one or more of the boilers is operating on No. 6 fuel oil. Pertinent information regarding the visible emissions observations will be recorded in an approved field data sheet and maintained on site.

If visible emissions are observed, an opacity evaluation will be conducted by a certified visible emissions observer in accordance with EPA Reference Method 9 (RM9) procedures within one business day of the visible emission observation, and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met. Visible emission observations are not required to be performed when the boilers are firing on natural gas.

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The

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Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 44.1:

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

Emission Unit: B-OILRS

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard

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continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: When firing distillate fuel oil

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 45: Corrective Action

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-1.6

Item 45.1:

(a) Any person found to have violated any provision of this Part shall not cause, permit or allow operation of the stationary combustion installation involved in the violation unless:

- (1) it is equipped with approved emission control equipment;
- (2) it is rehabilitated or upgraded in an approved manner; or
- (3) the fuel is changed to an acceptable type.

(b) The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraph (a)(1)-(3) above are not met within the time provided by the order of final determination issued in the case of the violation.

(c) No person shall cause, permit or allow operation of any stationary combustion installation sealed by the commissioner in accordance with this section.

(d) No person except the commissioner or his representative shall remove, tamper with or destroy any seal affixed to any stationary combustion installation.

Condition 4-3: Compliance Certification

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Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 4-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 4-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A tune-up shall be performed annually for combustion units meeting the definition of small boiler in 6 NYCRR 227-2.2(b). The Tune-up shall consist of adjustments to the combustion process to optimize combustion efficiency of the unit in accordance with Procedures provided by the manufacturer (or an approved specialist).

Records shall be maintained to demonstrate compliance. The records shall contain information including the date on which the Combustion process was adjusted; the name, title, and affiliation of the person who made the adjustments; and a checklist of the Manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same Information as the example checklist included as Appendix A of DAR-5.

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 1/30/2017.

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

Condition 47: Once in always in

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.1 (a) (3)

Item 47.1:

Any coating line that is or becomes subject to the provisions of Subpart 228-1 will remain subject to these provisions even if the annual potential to emit or actual emissions of VOCs for the facility later falls below the thresholds set forth in Subdivision 228-1.1(a).

Condition 48: Compliance Certification

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.2 (b)

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Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: LA1

Emission Unit: 1-GNRTR
Process: LA3

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the purposes of this Part, the following specific definitions apply:

(35) Maximum permitted pounds of VOC per gallon of coating, minus water and excluded VOC at application. The permissible quantity of VOC per gallon of coating minus water and excluded VOC at application, is specified in tables 1 and 2 of this Part. The actual VOC content of the as applied coating is calculated as follows:

$$(VOC)_a = \frac{\{(Wv)_a - (Ww)_a - (We)_a\}}{1 - ((Vw)_a + (Ve)_a)}$$

where:

(VOC)_a is the VOC content of a coating, as applied, expressed as pounds of VOC per gallon of coating minus water and excluded VOC

(Wv)_a is the pounds of total volatiles per gallon of an as applied coating

(Ww)_a is the pounds of water per gallon of an as applied coating

(Vw)_a is the gallons of water per gallon of an as applied coating

(We)_a is the pounds of excluded VOC per gallon of an as applied coating

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(Ve)a is the gallons of excluded VOC per gallon of an as applied coating

Reference Test Method: Method 24 (40CFR60)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (a)

Item 49.1:

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

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: G01

Emission Unit: 1-GNRTR
Process: LA3

Emission Unit: T-URBIN
Process: CC2

Item 49.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting a Method 9 opacity evaluation at a minimum frequency of once per year, while the source is in normal operating mode.

In addition to the above opacity evaluation, the permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which

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this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

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

If the operator observes any visible emissions (other than steam - see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (e) (2)

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A facility containing a coating line (other than a class A coating line) may use up to 55 gallons of coatings (facility wide) on a 12-month rolling total basis which does not comply with the VOC content limits set forth in section 228-1.4 ; provided such use is recorded on an as used basis and maintained at the facility for a period of five years.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 51: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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

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specified in Table B4 of 6 NYCRR Subpart 228-1.4(b)(4). The units in Table B5 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 per gallon
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 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.5 (a)

Item 52.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: G01

Emission Unit: 1-GNRTR
Process: LA1

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Emission Unit: 1-GNRTR
Process: LA3

Emission Unit: T-URBIN
Process: CC2

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Use of coatings that exceed the VOC content limits at application specified in the tables of section 228-1.4 of this Subpart is prohibited, unless a coating system meeting the requirements of subdivision (d) of this section is utilized, control equipment meeting the requirements of subdivisions (b) and (c) of this section is installed and operated, or a process specific RACT variance is granted under subdivision (e) of this Section.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall demonstrate the volatile organic compounds per gallon, minus water and excluded VOC, of coating at application. Monitoring frequency shall be monthly.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 7/30/2015.

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

Condition 53: Natural gas fired VOC incineration control device efficiency and seasonal shut down.

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.5 (b)

Item 53.1:

Any VOC incinerator used as control equipment must be designed and operated to provide, at a minimum a 90 percent overall removal efficiency. The department may allow an owner or operator of a facility which uses a natural gas fired VOC incinerator as a control device for

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coating lines subject to this Subpart to shut down the VOC incinerator from November 1st through March 31st for the purposes of natural gas conservation, provided that the department has determined that this action will not jeopardize air quality.

Condition 54: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.6 (a)

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 54.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Upon request by the Department, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must determine the actual VOC content of an as applied coating by measuring the volatile content, water content, density, volume of solids, and weight of solids in accordance with EPA Reference Test Method 311 or Method 24, included in Appendix A of 40 CFR parts 63 and 60 respectively, to demonstrate compliance with the requirements of Part 228-1.

An alternate sampling method that has been approved by both the Department and the Administrator may be used when Method 311 and/or Method 24 are not appropriate.

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Surface coating access for sampling
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.6 (c)

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Item 55.1:

Representatives of the department must be permitted on the facility owner's property, during reasonable business hours, to obtain coating samples for the purpose of determining compliance with the requirements of 6 NYCRR Part 228-1.

Condition 57: Applicability of Subpart A General Provisions
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 57.1:

This Condition applies to:

Emission Unit: BATTERY
Process: PP3

Emission Unit: BATTERY
Process: PP5

Emission Unit: BOILERS
Process: 67G

Emission Unit: BOILERS
Process: 67O

Item 57.2:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 58: EPA Region 2 address.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 58.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 58.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor

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New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 59: Recordkeeping requirements.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 59.1:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 60: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.7(c), NSPS Subpart A

Item 60.1:

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

Emission Unit: 1-STDLO

Emission Unit: B-ATTRY

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

1) the magnitude of excess emissions computed, any

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conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 61: Excess emissions report.

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.7(d), NSPS Subpart A

Item 61.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 61.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 62: Monitoring frequency waiver.

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.7(e), NSPS Subpart A

Item 62.1:

This Condition applies to:

Emission Unit: 1STDLO

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Emission Unit: BATTERY

Item 62.2: Notwithstanding the frequency of reporting requirements specified in paragraph (c) of this section, an owner or operator who is required by an applicable subpart to submit excess emissions and monitoring systems performance reports (and summary reports) on a quarterly (or more frequent) basis may reduce the frequency of reporting for that standard to semiannual if the conditions in 40 CFR 60.7(e) are met.

**Condition 63: Facility files for subject sources.
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 63.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 63.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 64: Notification Similar to State or Local Agency
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.7(g), NSPS Subpart A

Item 64.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 64.2:

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

**Condition 65: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020**

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Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-ATTRY

Process: PP3

Emission Unit: B-ATTRY

Process: PP5

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of this part before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of this part.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: PS-1 Appendix B

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 66: Performance Test Methods - Waiver

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(b), NSPS Subpart A

Item 66.1:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of

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an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 67: Required performance test information.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(c), NSPS Subpart A

Item 67.1:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

Condition 68: Prior notice.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(d), NSPS Subpart A

Item 68.1:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 69: Performance testing facilities.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(e), NSPS Subpart A

Item 69.1:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 70: Number of required tests.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(f), NSPS Subpart A

Item 70.1:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 71: Availability of information.

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Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 71.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 71.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

Condition 72: Opacity standard compliance testing.

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 72.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 72.2:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 73: Circumvention.

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 73.1:

This Condition applies to:

Emission Unit: 1STDLO

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Emission Unit: BATTERY

Item 73.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 74: Monitoring requirements.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 74.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 74.2:

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

Condition 75: Modifications.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 75.1:

This Condition applies to:

Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 75.2:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 76: Reconstruction
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 76.1:

This Condition applies to:

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Emission Unit: 1STDLO

Emission Unit: BATTERY

Item 76.2:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 77: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 40CFR 60.47c(a), NSPS Subpart Dc

Item 77.1:

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

Emission Unit: B-OILRS
Process: 67O

Emission Unit: B-OILRS
Process: B5O

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an affected facility subject to

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an opacity standard in §60.43c(c) that is not required to use a COMS due to paragraphs (c), (d), (e), or (f) of this section that elects not to use a COMS shall conduct a performance test using Method 9 of appendix A-4 of this part and the procedures in §60.11 to demonstrate compliance with the applicable limit in §60.43c within 45 days of stopping use of an existing COMS, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this section. The observation period for Method 9 of appendix A-4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 78: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.47c(f), NSPS Subpart Dc

Item 78.1:
The Compliance Certification activity will be performed for the Facility.

Item 78.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:
The affected facility burns only gaseous fuels and/or fuel oils that contain no greater than 0.5 weight percent sulfur, and the owner or operator operates the unit according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard. For testing performed as part of this site-specific monitoring plan, the permitting authority may require as an alternative to the notification and reporting requirements

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specified in §§60.8 and 60.11 that the owner or operator submit any deviations with the excess emissions report required under §60.48c(c).

The Department has received and approved a site specific monitoring plan for boilers #5, #6, and #7 in May 2014. Compliance with this rule (40 CFR 60.47c (f)(3)) shall be met by following the monitoring and record keeping provisions of this permit listed under 6 NYCRR 227-1.3

Parameter Monitored: OPACITY

Upper Permit Limit: 27 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 79: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 79.1:

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

Emission Unit: B-OILRS

Process: 67G

Emission Unit: B-OILRS

Process: 67O

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 80: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc

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Item 80.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-OILRS

Process: 67G

Emission Unit: B-OILRS

Process: 67O

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 81: Compliance Certification

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.732(b), NSPS Subpart UUU

Item 81.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-ATTRY

Process: PP3

Emission Unit: B-ATTRY

Process: PP5

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner/operator has conducted an approved (February 2012) initial performance test for process PP3 Calciner (5704A) and PP5 dryer (5708A) in accordance with 60.736 "Test Methods And Procedures." For future installed emission units this initial performance test shall be

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conducted on the Calciner emission point within the time frame specified in 60.8 "Performance Tests" to demonstrate compliance with the emission limit for particulate matter per 60.732(a) "Standards For Particulate Matter" for Calciners. The owner or operator has elected to submit COMS data for compliance with the opacity standard. COMS monitoring and recordkeeping shall adhere to 40 CFR 60 Subpart A.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 10 percent

Reference Test Method: EPA method 9 or appendix B PS-1 for COMs

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 82: National Emission Standard for Asbestos
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 82.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

**Condition 83: Halon Emissions Reduction
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 82, Subpart H

Item 83.1:

The permittee shall comply with the standards for halon emissions reduction pursuant to 40CFR Part 82, Subpart H.

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

**Condition 84: Emission Point Definition By Emission Unit
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 84.1(From Mod 5):

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

Emission Unit: E-I0001

Emission Point: 04353

Height (ft.): 15

Diameter (in.): 30

NYTMN (km.): 4740.34

NYTME (km.): 584.872

Building: 40



Emission Point: 04354
Height (ft.): 15 Diameter (in.): 30
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 40

Emission Point: 04355
Height (ft.): 15 Diameter (in.): 30
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 40

Item 84.2(From Mod 0):

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

Emission Unit: 1-GNRTR

Emission Point: 03014
Height (ft.): 72 Diameter (in.): 18
NYTMN (km.): 4740.521 NYTME (km.): 584.799 Building: 273

Emission Point: 03015
Height (ft.): 40 Diameter (in.): 8
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 281

Emission Point: 03018
Height (ft.): 32 Diameter (in.): 8
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 281

Emission Point: 03021
Height (ft.): 50 Diameter (in.): 47
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 281

Emission Point: 03022
Height (ft.): 50 Diameter (in.): 47
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 281

Emission Point: 03026
Height (ft.): 51 Diameter (in.): 28
NYTMN (km.): 4740.524 NYTME (km.): 584.803 Building: 273

Emission Point: 03036
Height (ft.): 51 Diameter (in.): 32
NYTMN (km.): 4740.529 NYTME (km.): 584.808 Building: 273

Emission Point: 03037
Height (ft.): 51 Diameter (in.): 32
NYTMN (km.): 4740.425 NYTME (km.): 584.685 Building: 273

Emission Point: 03038
Height (ft.): 51 Diameter (in.): 32
NYTMN (km.): 4740.428 NYTME (km.): 584.692 Building: 273

Emission Point: 03039
Height (ft.): 51 Diameter (in.): 32
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

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Emission Point: 03040			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03041			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03042			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03043			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03044			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.824	NYTME (km.): 585.033	Building: 273	
Emission Point: 03045			
Height (ft.): 54	Diameter (in.): 42		
NYTMN (km.): 4740.824	NYTME (km.): 585.033	Building: 273	
Emission Point: 03056			
Height (ft.): 10	Diameter (in.): 18		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03057			
Height (ft.): 10	Diameter (in.): 18		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 03090			
Height (ft.): 55	Diameter (in.): 54		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04064			
Height (ft.): 29	Diameter (in.): 8		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04065			
Height (ft.): 32	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04066			
Height (ft.): 50	Diameter (in.): 6		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04067			
Height (ft.): 32	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	

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Emission Point: 04068			
Height (ft.): 32	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04069			
Height (ft.): 15	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04070			
Height (ft.): 15	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04071			
Height (ft.): 15	Diameter (in.): 3		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04072			
Height (ft.): 50	Diameter (in.): 6		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 04862			
Height (ft.): 20	Diameter (in.): 6		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05520			
Height (ft.): 85	Length (in.): 35	Width (in.): 32	
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05522			
Height (ft.): 85	Length (in.): 35	Width (in.): 32	
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05523			
Height (ft.): 57	Diameter (in.): 36		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05524			
Height (ft.): 57	Diameter (in.): 36		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05525			
Height (ft.): 57	Diameter (in.): 36		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	
Emission Point: 05526			
Height (ft.): 57	Diameter (in.): 36		
NYTMN (km.): 4740.34	NYTME (km.): 584.872	Building: 273	

Item 84.3(From Mod 0):

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

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Emission Unit: 1-LASER

Emission Point: 03086
Height (ft.): 24 Length (in.): 14 Width (in.): 20
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Item 84.4(From Mod 0):

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

Emission Unit: 1-STDLO

Emission Point: 00027
Height (ft.): 74 Diameter (in.): 60
NYTMN (km.): 4739.9 NYTME (km.): 584.6 Building: 263B

Emission Point: 00028
Height (ft.): 74 Diameter (in.): 60
NYTMN (km.): 4739.9 NYTME (km.): 584.6 Building: 263B

Item 84.5(From Mod 0):

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

Emission Unit: B-OILRS

Emission Point: 00002
Height (ft.): 190 Diameter (in.): 114
NYTMN (km.): 4740.04 NYTME (km.): 584.715 Building: 265

Emission Point: 00004
Height (ft.): 190 Diameter (in.): 90
NYTMN (km.): 4740.027 NYTME (km.): 584.723 Building: 265

Emission Point: 00014
Height (ft.): 83 Diameter (in.): 44
NYTMN (km.): 4740.824 NYTME (km.): 585.033

Item 84.6(From Mod 0):

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

Emission Unit: E-LBATH

Emission Point: 03066
Height (ft.): 46 Diameter (in.): 30
NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Item 84.7(From Mod 0):

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

Emission Unit: E-VAPOR

Emission Point: 08150
Height (ft.): 23 Diameter (in.): 6

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NYTMN (km.): 4740.292 NYTME (km.): 584.865 Building: 273-L6A

Item 84.8(From Mod 0):

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

Emission Unit: E-XMBLR

Emission Point: 00009

Height (ft.): 115

Diameter (in.): 24

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 5

Item 84.9(From Mod 0):

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

Emission Unit: S-ANDER

Emission Point: 03081

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Emission Point: 03082

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Emission Point: 03083

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Emission Point: 03084

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Emission Point: 03085

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.34 NYTME (km.): 584.872 Building: 273

Emission Point: 03087

Height (ft.): 7 Length (in.): 36

Width (in.): 36

NYTMN (km.): 4740.824 NYTME (km.): 585.033 Building: 273

Item 84.10(From Mod 0):

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

Emission Unit: T-URBIN

Emission Point: 05700

Height (ft.): 74

Diameter (in.): 36

NYTMN (km.): 4740.521 NYTME (km.): 584.799 Building: 273

Emission Point: 05701

Height (ft.): 74

Diameter (in.): 36

NYTMN (km.): 4740.521 NYTME (km.): 584.799 Building: 273



Emission Point: 05702
Height (ft.): 74 Diameter (in.): 36
NYTMN (km.): 4740.521 NYTME (km.): 584.799 Building: 273

Emission Point: 05703
Height (ft.): 74 Diameter (in.): 36
NYTMN (km.): 4740.521 NYTME (km.): 584.799 Building: 273

Item 84.11(From Mod 0):

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

Emission Unit: U-0WELD

Emission Point: 05541
Height (ft.): 49 Diameter (in.): 4
NYTMN (km.): 4740.824 NYTME (km.): 585.033 Building: 273

**Condition 85: Process Definition By Emission Unit
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 85.1(From Mod 5):

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

Emission Unit: 1-STDLO
Process: NG3 Source Classification Code: 1-02-006-01

Process Description:

This process consists of the combustion of natural gas in Emission Sources 0027A and 0028A to provide steam to be used in testing prototype steam turbines.

Emission Source/Control: 0027A - Combustion
Design Capacity: 244 million Btu per hour

Emission Source/Control: 0028A - Combustion
Design Capacity: 244 million Btu per hour

Item 85.2(From Mod 5):

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

Emission Unit: B-ATTRY
Process: TF1 Source Classification Code: 3-05-008-50

Process Description:

Ceramics Castings Firing Kiln: Ceramic components are fired in natural gas oven to create ceramic castings. Particulate and VOC emissions are generated from the firing process. A natural gas thermal oxidizer is used for VOC control. This process may be operated in both a manufacturing and R&D capacity.

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Emission Source/Control: 5710B - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 5713B - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 5715B - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 5710A - Process

Emission Source/Control: 5713A - Process

Emission Source/Control: 5715A - Process

Item 85.3(From Mod 5):

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

Emission Unit: E-I0001

Process: E37

Source Classification Code: 3-09-040-20

Process Description:

This process consists of the three thermal spray cells in this emission unit used for spray forming using materials that include metal and ceramic powders. The spray processes are conducted primarily for R&D purposes, but may be used for limited-scale (deminimus) manufacturing.

Emission Source/Control: DC001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEPA1 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: HEPA2 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: HEPA3 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: E3701 - Process

Emission Source/Control: E3702 - Process

Emission Source/Control: E3703 - Process
Design Capacity: 25 pounds per hour



Item 85.4(From Mod 0):

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

Emission Unit: 1-GNRTR
Process: AIR Source Classification Code: 3-99-999-94
Process Description:
Air and H2 cooled assembly models are cured. Part 228 is not applicable to this process pursuant to paragraph 228-1.1(e)(6).

Emission Source/Control: 3014A - Process

Item 85.5(From Mod 0):

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

Emission Unit: 1-GNRTR
Process: B17 Source Classification Code: 4-90-999-99
Process Description:
Curing of VOC containing tapes on generator parts in electrically heated ovens. These ovens are physically limited such that the ERP is less than 3 lbs/hr for each oven and proposed tape usage indicates actual emissions, averaged annually, are less than 15 lbs/day.

Emission Source/Control: 3056A - Process

Emission Source/Control: 3057A - Process

Item 85.6(From Mod 0):

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

Emission Unit: 1-GNRTR
Process: CC1 Source Classification Code: 4-02-001-10
Process Description:
Use of compliant coatings on generator assemblies etc. (miscellaneous metal parts).

Emission Source/Control: 5520B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5522B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5523B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5523C - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5523D - Control
Control Type: FABRIC FILTER

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Emission Source/Control: CT273 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0552X - Process

Emission Source/Control: 5523A - Process

Emission Source/Control: FU273 - Process

Item 85.7(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: CLN

Source Classification Code: 4-01-888-01

Process Description:

Resin flooding equipment and hand coat stator bars causing fugitive emissions. Resin flooding equipment is cleaned with solvents and stator bars are hand coated, resulting in fugitive air emissions. Part 228 is not applicable to this process pursuant to paragraph 228-1.1(e)(6).

Emission Source/Control: 3014A - Process

Item 85.8(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: CY1

Source Classification Code: 4-90-999-99

Process Description:

Vacuum cycle in autoclaves in which VOC containing tape on stator bars is cured. The number of stator bars introduced per batch in an autoclave is restricted through administrative procedures so that the VOC emissions from the resin impregnated tape do not equal or exceed 3.0 pounds/hour emission rate potentials from each emission point 04064, 04066 and 04072, and do not equal or exceed 15.0 pounds/day, averaged on an annual basis, actual emissions in the absence of control equipment from emission point 04072.

Emission Source/Control: 4064B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 4066B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 4072B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 4064A - Process

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Emission Source/Control: 4065A - Process

Emission Source/Control: 4066A - Process

Emission Source/Control: 4067A - Process

Emission Source/Control: 4068A - Process

Emission Source/Control: 4072A - Process

Item 85.9(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: CY2

Source Classification Code: 4-90-999-99

Process Description:

Asphalt transfer between autoclaves and asphalt storage tanks, resulting in small VOC emissions.

Emission Source/Control: 4065B - Process

Emission Source/Control: 4067B - Process

Emission Source/Control: 4068B - Process

Emission Source/Control: 4069A - Process

Emission Source/Control: 4070A - Process

Emission Source/Control: 4071A - Process

Emission Source/Control: 4071B - Process

Item 85.10(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: G01

Source Classification Code: 4-02-007-12

Process Description:

Glue oven emissions released from curing of coating. A mixture of adhesive and diluent is applied by roll coater to stator laminate punchings. To the extent required, emissions are vented to a control device.

Emission Source/Control: GENCT - Control

Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: 3026A - Process

Emission Source/Control: 3026B - Process



Emission Source/Control: 3026C - Process

Emission Source/Control: 3026D - Process

Item 85.11(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: K24

Source Classification Code: 4-02-008-01

Process Description:

Thermal setting insulating tapes and compounds are cured onto generator assemblies.

Emission Source/Control: 4862A - Process

Item 85.12(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: LA1

Source Classification Code: 4-02-014-35

Process Description:

Stator lamination line. Emissions from the application of compliant coating to punchings in the stator lamination line, when the thermal oxidizer is not bypassed.

Emission Source/Control: GENCT - Control

Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: 3025A - Process

Emission Source/Control: 3025B - Process

Emission Source/Control: 3025C - Process

Emission Source/Control: 3031A - Process

Emission Source/Control: 3031B - Process

Emission Source/Control: 3031C - Process

Emission Source/Control: 3033A - Process

Emission Source/Control: 3033B - Process

Emission Source/Control: 3033C - Process

Emission Source/Control: 3035A - Process

Emission Source/Control: 3035B - Process

Emission Source/Control: 3035C - Process



Item 85.13(From Mod 0):

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

Emission Unit: 1-GNRTR
Process: LA2 Source Classification Code: 1-02-014-01

Process Description:

Emissions from natural gas fired drying ovens. Natural gas fired dryers used to flash off coatings as applied to punchings in the stator lamination line and glue oven.

Thermal oxidizer ramp up. Emissions from the thermal oxidizer ramp-up (formerly process RMP) are included in this process. The thermal oxidizer is brought up to combustion temperature by combusting natural gas. Ramp-up emissions include only products of combustion (i.e., no exhaust streams are venting to the thermal oxidizer during ramp-up).

Emission Source/Control: GENCT - Control
Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: 3025A - Process

Emission Source/Control: 3025B - Process

Emission Source/Control: 3025C - Process

Emission Source/Control: 3026A - Process

Emission Source/Control: GENC1 - Process

Item 85.14(From Mod 0):

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

Emission Unit: 1-GNRTR
Process: LA3 Source Classification Code: 4-02-025-99

Process Description:

Stator lamination line. Emissions from the application of compliant coatings to punchings in the stator lamination line, when the thermal oxidizer is bypassed.

Emission Source/Control: 3025A - Process

Emission Source/Control: 3025B - Process

Emission Source/Control: 3025C - Process

Emission Source/Control: 3031A - Process

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Emission Source/Control: 3031B - Process

Emission Source/Control: 3031C - Process

Emission Source/Control: 3033A - Process

Emission Source/Control: 3033B - Process

Emission Source/Control: 3033C - Process

Emission Source/Control: 3035A - Process

Emission Source/Control: 3035B - Process

Emission Source/Control: 3035C - Process

Item 85.15(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: PRG

Source Classification Code: 4-90-999-99

Process Description:

Coating ovens and thermal oxidizer purges. Insignificant (trace) emissions resulting from the purging of the stator lamination line and glue ovens, and from the purging of the thermal oxidizer.

Emission Source/Control: 3025A - Process

Emission Source/Control: 3025B - Process

Emission Source/Control: 3025C - Process

Emission Source/Control: 3026A - Process

Emission Source/Control: GENC1 - Process

Item 85.16(From Mod 0):

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

Emission Unit: 1-GNRTR

Process: STM

Source Classification Code: 3-99-999-94

Process Description:

Large steam liquid cooled assembly models are cured. Part 228 is not applicable to this process pursuant to paragraph 228.1(h)(6).

Emission Source/Control: 3014A - Process

Item 85.17(From Mod 0):

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

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Emission Unit: 1-GNRTR
Process: VNT Source Classification Code: 4-90-001-01
Process Description:
Vapor extraction & ventilation from oil tanks and bunkers
used in testing turbines.

Emission Source/Control: 3015B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 3018B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 3021B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 3022B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 3015A - Process

Emission Source/Control: 3018A - Process

Emission Source/Control: 3021A - Process

Emission Source/Control: 3022A - Process

Item 85.18(From Mod 0):

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

Emission Unit: 1-LASER
Process: LSR Source Classification Code: 3-99-999-99
Process Description:
Laser welding. Laser welding and cutting of stainless
steel.

Emission Source/Control: 3086B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3086C - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 3086A - Process

Item 85.19(From Mod 0):

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

Emission Unit: B-ATTRY
Process: AC2 Source Classification Code: 3-09-039-02
Process Description:
Alpha Collar Metalizing Ovens: IN Process Ac2, the Alpha
Collars are heated in an electric furnace to "metalize"
the collar. This furnace contains a nitrogen/hydrogen

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atmosphere to prevent oxidation of the Molybdenum ink on the Alpha Collars. As the doors of the electric furnace are opened for product entry and removal, a small amount of hydrogen is released and combusted. A small natural gas-fired pilot light is present that combusts the hydrogen gas, resulting in water vapor that is vented outdoors. In addition to the water vapor, extremely small quantity (<1 gram per collar) of VOC emissions may be generated from heating the metalizing ink and vented outdoors through a permitted emission point.

Emission Source/Control: 5717A - Process

Emission Source/Control: 5718A - Process

Emission Source/Control: 5719A - Process

Emission Source/Control: 5720A - Process

Item 85.20(From Mod 0):

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

Emission Unit: B-ATTRY

Process: AC3

Source Classification Code: 4-02-007-01

Process Description:

Alpha Collar Metalizing: In process AC3, Molybdenum ink is screen applied to the clean, baked Alpha Collars as an adhesive. The Molybdenum ink is dried at room temperature, and VOC from the ink is vented outdoors. At full production capacity, the Molybdenum material will be subject to 6 NYCRR Part 228-2 and VOC will be controlled appropriately at that time.

Emission Source/Control: 5722B - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 5722A - Process

Item 85.21(From Mod 0):

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

Emission Unit: B-ATTRY

Process: BA1

Source Classification Code: 3-09-005-00

Process Description:

Battery Assembly: The battery assembly process consists of assembly in a set of manual steps, followed by robotic laser welding. The laser welders include fume extractors with HEPA filtration prior to venting outdoors. Manual TIG welding is also performed on stainless steel boxes. Weld fumes from TIG welding will be vented indoors.

Emission Source/Control: 5760A - Control

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Control Type: DUST COLLECTOR

Emission Source/Control: 5760B - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5760C - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5760D - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5760P - Process

Item 85.22(From Mod 0):

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

Emission Unit: B-ATTRY

Process: BT1

Source Classification Code: 2-01-001-07

Process Description:

This process consists of generator test stands used for product testing and demonstrations. The generators will be powered by diesel internal combustion engines.

Emission Source/Control: 5780A - Combustion

Emission Source/Control: 5780B - Combustion

Item 85.23(From Mod 0):

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

Emission Unit: B-ATTRY

Process: CA1

Source Classification Code: 3-09-005-00

Process Description:

The cell assembly process consists of laser welding, melt fill, and powder fill operations to assemble components into battery cells. Particulate emissions from laser welders are controlled by dust collectors.

Emission Source/Control: 5750A - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750B - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750C - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750D - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750E - Control
Control Type: DUST COLLECTOR

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Emission Source/Control: 5750F - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750G - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750H - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750I - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750J - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750K - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750L - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750M - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750N - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750P - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750Q - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750R - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5750S - Control
Control Type: DUST COLLECTOR

Emission Source/Control: P5751 - Process

Item 85.24(From Mod 0):

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

Emission Unit: B-ATTRY

Process: CA2

Source Classification Code: 3-01-885-13

Process Description:

Cell Assembly Melt Fill: The cell assembly process consists of multiple laser welding, multiple melt fill, and powder fill operations to assemble components into battery cells. HCl emissions from melt fill operations

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are controlled by the wet scrubber in process CP2.

Emission Source/Control: 5733B - Control
Control Type: WET SCRUBBER

Emission Source/Control: P5754 - Process

Item 85.25(From Mod 0):

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

Emission Unit: B-ATTRY

Process: CA3

Source Classification Code: 4-02-025-42

Process Description:

Cell Assembly Carbon Black Application: The cell assembly process consists of laser welding, melt fill, and powder fill operations to assemble components into battery cells. This process includes ten carbon black spray application booths. Particulate emissions from carbon black spray coating are controlled by dust collectors.

Emission Source/Control: 5752A - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5752B - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5752C - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5752D - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5752E - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5753A - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5753B - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5753C - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5753D - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 5753E - Control
Control Type: DUST COLLECTOR

Emission Source/Control: P5752 - Process



Emission Source/Control: P5753 - Process

Item 85.26(From Mod 0):

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

Emission Unit: B-ATTRY

Process: CF1

Source Classification Code: 3-09-040-20

Process Description:

Cell Finishing: The cell process consists of a grit blast operation to prepare the cells for coating and a plasma coating operation. The plasma coating operation applies a ceramic coating to the cells. Particulate emissions are controlled by a dust collection and filtering system.

Emission Source/Control: 5741B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5742B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5743B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5744B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5745B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5746B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5747B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5748B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5741A - Process

Emission Source/Control: 5742A - Process

Emission Source/Control: 5743A - Process

Emission Source/Control: 5744A - Process

Emission Source/Control: 5745A - Process

Emission Source/Control: 5746A - Process

Emission Source/Control: 5747A - Process

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Emission Source/Control: 5748A - Process

Item 85.27(From Mod 0):

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

Emission Unit: B-ATTRY

Process: CP2

Source Classification Code: 3-01-885-13

Process Description:

Cathode Melt Preparation: Sodium cathode melt is prepared from aluminum chloride and sodium chloride. Hydrogen Chloride emissions are generated in the melting process. Particulate and HCl emissions are controlled by a wet scrubber. This process operates inside a permanent total enclosure for worker safety. A venting system automatically evacuates the air in the melt prep room when HCl levels reach conditions that are unsafe for employees working in that area. Room air is evacuated through an exhaust point located on the roof of the building.

Emission Source/Control: 5733B - Control

Control Type: WET SCRUBBER

Emission Source/Control: 5733C - Control

Control Type: DUST COLLECTOR

Emission Source/Control: 5733A - Process

Emission Source/Control: 5734A - Process

Item 85.28(From Mod 0):

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

Emission Unit: B-ATTRY

Process: PP3

Source Classification Code: 3-05-008-21

Process Description:

Calciners: This process is comprised of two high temperature calciners and rotary coolers. The calciner is a natural gas fired rotary oven operating at 1250C. It will be equipped with a high temperature dust filtration system. Granular feedstock is fed to the Calciner, where free water and carbon dioxide are driven off to form alumina powder. Product from the Calciner is cooled in a rotary cooler prior to dry milling. Each rotary cooler is equipped with a cyclonic separator and a dust filtration system.

Emission Source/Control: 5704B - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: 5704C - Control

Control Type: FABRIC FILTER

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Emission Source/Control: 5705B - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 5705C - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5704A - Process

Emission Source/Control: 5705A - Process

Emission Source/Control: 5706A - Process

Emission Source/Control: 5707A - Process

Item 85.29(From Mod 0):

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

Emission Unit: B-ATTRY

Process: PP5

Source Classification Code: 3-05-008-10

Process Description:

Spray Dryers: Alumina powder is further processed by drying in a natural gas fired spray dryer. The alumina slip is fed through up-spray nozzles while counter-current hot air from natural gas combustion is used to dry the alumina slip. Particulate emissions are controlled by a cyclonic separator and a dust filtration system.

Emission Source/Control: 5708B - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 5708C - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5709B - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 5709C - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5708A - Process

Emission Source/Control: 5709A - Process

Item 85.30(From Mod 4):

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

Emission Unit: B-OILRS

Process: 67G

Source Classification Code: 1-02-006-02

Process Description:

Steam production when natural gas is used as fuel in boilers #6 and #7.

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Each boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil.

Emission Source/Control: 0002A - Combustion
Design Capacity: 98.4 million Btu per hour

Emission Source/Control: 0004B - Combustion
Design Capacity: 98.4 million Btu per hour

Item 85.31(From Mod 4):

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

Emission Unit: B-OILRS
Process: 67O Source Classification Code: 1-02-004-01
Process Description:

Steam production when #6 residual oil is used as fuel in boilers #6 and #7.

Each boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil.

The permittee shall use fuel oil only during periods of natural gas curtailment, natural gas supply emergencies and for periodic testing not to exceed 48 hours in order to meet the definition of gas-fired boiler under 40 CFR Part 63, Subpart JJJJJ. Gas-fired boilers are not subject to requirements under Subpart JJJJJ.

Emission Source/Control: 0002A - Combustion
Design Capacity: 98.4 million Btu per hour

Emission Source/Control: 0004B - Combustion
Design Capacity: 98.4 million Btu per hour

Item 85.32(From Mod 0):

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

Emission Unit: B-OILRS
Process: B5G Source Classification Code: 1-02-006-02
Process Description:

Steam production when natural gas is used as fuel in boiler #5.

This boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil.

Emission Source/Control: 0004A - Combustion
Design Capacity: 98.4 million Btu per hour

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Item 85.33(From Mod 4):

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

Emission Unit: B-OILRS

Process: B5O

Source Classification Code: 1-02-004-01

Process Description:

Steam production when #6 residual oil is used as fuel in boiler#5.

This boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil.

The permittee shall use fuel oil only during periods of natural gas curtailment, natural gas supply emergencies and for periodic testing not to exceed 48 hours in order to meet the definition of gas-fired boiler under 40 CFR Part 63, Subpart JJJJJ. Gas-fired boilers are not subject to requirements under Subpart JJJJJ.

Emission Source/Control: 0004A - Combustion

Design Capacity: 98.4 million Btu per hour

Item 85.34(From Mod 0):

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

Emission Unit: B-OILRS

Process: CHX

Source Classification Code: 1-01-006-02

Process Description:

The CHX Heat exchanger is used as part of the B-OILER Emission unit.

Emission Source/Control: 00CHX - Process

Item 85.35(From Mod 0):

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

Emission Unit: E-LBATH

Process: BTH

Source Classification Code: 3-09-999-99

Process Description:

Deburring of generator punchings in electrolytic bath. Generator punchings are conveyed through a water and sodium nitrate solution.

Emission Source/Control: 3066A - Process

Item 85.36(From Mod 0):

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

Emission Unit: E-VAPOR

Process: L6A

Source Classification Code: 3-09-999-97



Process Description:

This process consists of one gas fired (0.039 MMBTU/hr) water evaporator that separates water from an oil/water mixture. The evaporated water generated during the process may contain other pollutants in the water vapor. Oil remaining from the process will be recycled or removed as waste. The evaporator is designed to process approximately 30 gallons of oil-water mixture per hour, or approximately 700 gallons per day.

Emission Source/Control: 08150 - Process

Item 85.37(From Mod 4):

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

Emission Unit: E-XMBLR
Process: NGS Source Classification Code: 1-02-006-03
Process Description: Natural gas combustion.

Emission Source/Control: 0009A - Combustion

Emission Source/Control: 0010A - Combustion

Item 85.38(From Mod 0):

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

Emission Unit: S-ANDER
Process: SAN Source Classification Code: 3-09-002-02
Process Description:
Sanding & deburring. Particulate emissions generated from sanding and deburring operations.

Emission Source/Control: 3081B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3082B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3083B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3084B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3085B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3087B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3081A - Process



Emission Source/Control: 3081C - Process

Emission Source/Control: 3082A - Process

Emission Source/Control: 3082C - Process

Emission Source/Control: 3083A - Process

Emission Source/Control: 3083C - Process

Emission Source/Control: 3084A - Process

Emission Source/Control: 3085A - Process

Emission Source/Control: 3087A - Process

Item 85.39(From Mod 0):

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

Emission Unit: T-URBIN

Process: CC2

Source Classification Code: 4-02-014-35

Process Description:

Spray paint operation. The application of compliant coating to steam turbine generator assemblies and miscellaneous metal parts and fugitive emissions in building 273 from application of rust inhibitors and preservatives to steam turbines and associated equipment. Coating occurs in both a stationary spray paint booth, portable spray paint booths, and fugitive sources that have no stacks.

Emission Source/Control: 5700B - Control

Control Type: FABRIC FILTER

Emission Source/Control: 5700C - Control

Control Type: FABRIC FILTER

Emission Source/Control: CT066 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 5700A - Process

Emission Source/Control: FU066 - Process

Item 85.40(From Mod 0):

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

Emission Unit: U-0WELD

Process: BRZ

Source Classification Code: 3-09-042-00

Process Description:

The brazing process is conducted in a chamber that is first purged with nitrogen to remove oxygen, then purged

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with a nitrogen-hydrogen (90%-10%) gas mixture. Then, induction brazing with silver filler metal is performed to join and form a weld between two metal generator components.

Emission Source/Control: OHEPA - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: ORBIT - Process

Emission Source/Control: WELD1 - Process

Emission Source/Control: WELD2 - Process

Item 85.41(From Mod 0):

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

Emission Unit: U-0WELD
Process: BUW Source Classification Code: 3-09-051-00

Process Description:

Build up welding uses submerged arc welding (SAW) for general metal build up required for generator part repairs, such as journal repair. This process consumes electrodes, filler metal, and granular flux.

Emission Source/Control: OHEPA - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: WELD1 - Process

Emission Source/Control: WELD2 - Process

Item 85.42(From Mod 0):

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

Emission Unit: U-0WELD
Process: FLW Source Classification Code: 3-09-058-00

Process Description:

Fine line welding (FLW) uses gas tungsten arc welding (GTAW) to repair rotor wheels and used generator parts. The process consumes electrode, filler metal, and argon/helium gas.

Emission Source/Control: OHEPA - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: WELD1 - Process

Emission Source/Control: WELD2 - Process

Item 85.43(From Mod 0):

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

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Emission Unit: U-0WELD

Process: ORB

Source Classification Code: 3-09-058-00

Process Description:

The orbital welding process (ORB) uses gas tungsten arc welding (GTAW) of pipes and other parts used in the manufacture and repair of generators, turbines, and other support equipment. It will consume electrodes and an inert gas.

Emission Source/Control: ORBIT - Process

Condition 86: Emission Unit Permissible Emissions
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 86.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-GNRTR

CAS No: 007446095 (From Mod 0)

Name: SULFUR DIOXIDE

PTE(s): 210,180 pounds per year

CAS No: 0NY210000 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 154,625 pounds per year

CAS No: 0NY998000 (From Mod 0)

Name: VOC

PTE(s): 86,000 pounds per year

Emission Unit: T-URBIN

CAS No: 0NY998000 (From Mod 0)

Name: VOC

PTE(s): 76,000 pounds per year

Condition 87: Process Permissible Emissions
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 87.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:



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Emission Unit: 1-GNRTR Process: B17

CAS No: 0NY998-00-0 (From Mod 0)

Name: VOC

PTE(s): 10,950 pounds per year

Emission Unit: 1-GNRTR Process: CY1

CAS No: 0NY998-00-0 (From Mod 0)

Name: VOC

PTE(s): 78,577 pounds per year

Emission Unit: 1-GNRTR Process: G01

CAS No: 0NY100-00-0 (From Mod 0)

Name: TOTAL HAP

PTE(s): 19,800 pounds per year

Emission Unit: B-OILRS Process: B5G

CAS No: 0NY210-00-0 (From Mod 0)

Name: OXIDES OF NITROGEN

PTE(s): 56,105 pounds per year

Condition 88: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 88.1:

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

6 NYCRR 231-2.2 (a)

Item 88.2:

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

Item 88.3:

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 88.4:

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

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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 88.5:

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 88.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR

Regulated Contaminant(s):

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

Item 88.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records shall be maintained which indicate emissions of oxides of nitrogen. Emissions of NO_x from sources in this emission unit and from increased utilization of process steam by this emission unit shall be less than 80,000 pounds over any 12 consecutive months.

Emissions of NO_x from sources in this emission unit will be based on emission factors which will be applied to fuel usage records.

Emissions of NO_x from increased utilization of process steam by this emission unit will be based on utilization in excess of average utilization during the baseline period (1998 and 1999), fuel usage records, and fuel emission factors. The baseline period average process steam utilization is 248,800 million Btus per year. Steam utilization will be determined through use of generator production records and a production factor. The production factor is 3,071 million Btus per generator which is based on the average production rate (81 generators per year) during the baseline period (1998 and 1999).

Emission factors and production factors used to develop the application for this permit are acceptable for calculating NO_x emissions.

For purposes of determining NO_x emissions from increased steam utilization, natural gas and residual fuel oil

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emission limits from Part 227-2.4(c)(2) were used for combustion associated with Boilers 5, 6, and 7. If future emission testing approved by the Department indicates lower NOx emission factors for Boiler 5, 6, and 7, then those emission factors are acceptable for use in calculating actual NOx emissions.

GE may propose updated and new emission and production factors for approval by the Department. The updated emission and production factors will not be used without the Department's written approval.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 89: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 89.1:

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

40 CFR 52.21

Item 89.2:

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

Item 89.3:

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 89.4:

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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 89.5:

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 89.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 89.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records shall be maintained which indicate emissions of sulfur dioxide, from sources in this emission unit, shall be less than 80,000 pounds for New Source Review capping and 130,180 pounds for existing emissions, over any 12 consecutive months.

Emissions of SO₂ from sources in this emission unit and from increased utilization of process steam by this emission unit shall be less than 210,180 pounds over any 12 consecutive months.

Emissions of SO₂ from sources in this emission unit will be based on emission factors which will be applied to fuel usage records.

Emissions of SO₂ from increased utilization of process steam by this emission unit will be based on utilization in excess of average utilization during the baseline period (1998 and 1999), fuel usage records, and fuel oil testing records or fuel emission factors. The baseline period average process steam utilization is 248,800 million Btus per year. Steam utilization will be determined through use of generator production records and a production factor. The production factor is 3,071 million Btus per generator which is based on the average production rate (81 generators per year) during the

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baseline period (1998 and 1999).

Emission factors and production factors used to develop the application for this permit are acceptable for calculating SO₂ emissions.

GE may propose updated and new emission and production factors for approval by the Department. The updated emission and production factors will not be used without the Department's written approval.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 90: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 90.1:

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

6 NYCRR 231-2.2 (a)

Item 90.2:

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

Item 90.3:

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 90.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

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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 90.5:

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 90.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 90.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records shall be maintained which indicate emissions of volatile organic compounds. Emissions of VOCs from sources in this emission unit and from increased utilization of process steam by this emission unit shall be less than 86,000 pounds over any 12 consecutive months.

Emissions of VOCs from sources in this emission unit will be based on emission factors and production factors which will be applied, as appropriate, to material usage records, operating records, production records, or fuel usage records.

Emissions of VOCs from increased utilization of process steam by this emission unit will be based on utilization in excess of average utilization during the baseline period (1998 and 1999), fuel usage records, and fuel emission factors. The baseline period average process steam utilization is 248,800 million Btus per year. Steam utilization will be determined through use of generator production records and a production factor. The production factor is 3,071 million Btus per generator which is based on the average production rate (81 generators per year) during the baseline period (1998 and 1999).

Emission factors and production factors used to develop



the application for this permit are acceptable for calculating VOC emissions.

For purposes of determining potential to emit, the maximum VOC content for a compliant coating has been assumed for the stator lamination processes (LA1 and LA3). If the actual VOC content of any existing surface coating is less than the regulatory maximum for a compliant coating, the actual VOC content of the coating can be used as an emission factor without prior approval of the Department and records will be kept of the actual emission factor.

For the purposes of determining potential to emit, the overall removal efficiency of processes served by the regenerative thermal oxidizer was assumed 80%. If emissions testing approved by the Department indicates an overall removal efficiency other than 80%, then that overall removal efficiency is acceptable for use in calculating actual VOC emissions.

GE may propose updated and new emission and production factors for approval by the Department. The updated emission and production factors will not be used without the Department's written approval.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 91: Surface Coating - Handling, storage and disposal
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 228-1.3 (d)

Item 91.1:

This Condition applies to Emission Unit: 1-GNRTR

Item 91.2:

Within the work area(s) associated with a coating line, the owner or operator of a facility must:

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- (1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (6) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (7) clean hand held spray guns by one of the following:
 - (i) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Condition 92: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR
Process: CC1

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Emission sources and controls shall be operated and maintained according to good engineering practice. All paint booths will be required to have filters. The filters must be changed on a regular basis and be maintained to ensure compliance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall include detailing the months the emission unit process(es) operate, when the filters are changed, any malfunctions that occur, and any repairs that are made.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 7/30/2015.

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

Condition 93: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR

Process: CC1

Item 93.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted



during daylight hours, except during conditions of extreme weather (fog, snow, rain).

A visible emissions observation shall not be required on portable paint booths that have no stacks. Where portable paint booths are used, to manage fugitive emissions, these paint booths will be required to have filters. The filters must be changed on a regular basis and be maintained to ensure compliance. Records will be maintained by the facility indicating when the filters are changed, any malfunctions that occur, and any repairs that are made.

If the instantaneous observation of any visible emissions (except the emission of uncombined water) from the same emission point and/or emission source is 20 percent or greater for three consecutive observations, then a Method 9 analysis (based on a six minute average) of the affected emission point(s) must be conducted within one business day of such occurrence. The Regional Air Pollution Control Engineer (RAPCE) shall be notified within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, corrective actions shall be indicated to the Department.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of observations shall include detailing the weeks the emission unit process(es) operate, time of day of observation, observer's name, identity of emission point(s), weather conditions observed, an explanation for each observation that weather conditions are prohibitive, whether a plume is or is not observed and whether visible emissions of 20 percent or greater are observed, and corrective actions taken. The documentation maintained shall also include records of the Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (1)

Item 94.1:

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

Emission Unit: 1-GNRTR
Process: CC1

Emission Unit: 1-GNRTR
Process: G01

Emission Unit: 1-GNRTR
Process: LA1

Emission Unit: 1-GNRTR
Process: LA3

Emission Unit: T-URBIN
Process: CC2

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.
4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of

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Section 228-1.5(c), if applicable.

5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 95: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (2)

Item 95.1:

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

Emission Unit: 1-GNRTR
Process: G01

Emission Unit: 1-GNRTR
Process: LA1

Emission Unit: 1-GNRTR
Process: LA3

Emission Unit: T-URBIN
Process: CC2

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of emission sources not subject to 6 NYCRR Part 228-1, as set forth in Paragraphs 228-1.1(b)(9) or (13), or those sources that are using coatings not subject to specific requirements of Part 228-1 as set forth in Paragraph 228-1.3(e)(2), or Clauses 228-1.4(b)(5)(iii)(e), 228-1.4(b)(5)(iii)(i) or 228-1.4(b)(5)(iv), must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and

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supplier/manufacturer material data sheets for verification of VOC usage. All records required by this Paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 96: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 228-1.6 (d)

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR
Process: G01

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

When an owner and/or operator of a coating line utilizes control equipment to comply with permit requirements or regulations, test methods acceptable to the department must be used to determine the overall removal efficiency during a required performance test.

(1) The overall removal efficiency may be made by directly measuring VOC/solvent recovery and VOC/solvent usage rates where VOC/solvent recovery is the only control equipment.

(2) For any control equipment other than VOC/solvent recovery, this determination must include provisions to determine both the efficiency of the capture system and the control equipment. The approved VOC CE test methods are contained Part 228-1.6(d)(2) Table 'Approved VOC CE Test Methods'. Test methods 204 through 204F (M204 - M204F) are included in Appendix M of 40 CFR part 51 (see table 1, Section 200.9 of this Title). When the sampling and analysis methods by this paragraph are not applicable, alternate sampling and analysis methods can be used, subject to the approval of the department and the administrator.

(3) Alternative CE protocols and test methods may be allowed if the data quality objective approach or lower confidence limit approach requirements are met in

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conjunction with the additional criteria set forth in the EPA guidance document entitled Guidelines for Determining Capture Efficiency (see table 1, Section 200.9 of Title III). The alternative CE protocols and test methods must be approved in advance by the department. Also, the multiple line testing procedures outlined in the above guidance document can be used to determine CE if the applicable criteria are satisfied. The multiple line testing CE protocols and test methods must be approved in advance by the department.

Parameter Monitored: DEGREE OF AIR CLEANING

Upper Permit Limit: 90 percent

Reference Test Method: Test methods 204 through 204F

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 97: VOC content of gas stream test methods
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement: 6 NYCRR 228-1.6 (e)

Item 97.1:

This Condition applies to Emission Unit: 1-GNRTR
Process: G01

Item 97.2:

The owner and/or operator of a surface coating line must follow the applicable notification requirements, protocol requirements, and test procedures of NYCRR Part 202 for testing and monitoring. Depending upon conditions at a test site, one of the following test methods from Appendix A of 40 CFR part 60 (see table 1, Section 200.9 of Title III) must be used when measuring VOC contents of a gas stream at the inlet and outlet of a control device to determine the destruction and/or removal efficiency:

(1) Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography;

(2) Method 25, Determination of Total Gaseous Organic Emissions as Carbon; or



(3) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

When the sampling and analysis methods by this condition are not applicable, alternate sampling and analysis methods can be used, subject to the approval of the department and the administrator.

Condition 98: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 98.1:

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

6 NYCRR 212.10 (f)

Item 98.2:

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

Item 98.3:

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 98.4:

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 98.5:

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 98.6:

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The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR
Process: B17

Emission Point: 03056

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

Item 98.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emitting tapes shall be processed so that the VOC emission rate potential from Emission Point 03056 is less than 3.0 pounds per hour and the actual emissions in the absence of control equipment from Emission Point 03056 are less than 15.0 pounds per day averaged annually.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 99: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 99.1:

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

6 NYCRR 212.10 (f)

Item 99.2:

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

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Item 99.3:

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 99.4:

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 99.5:

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 99.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR Emission Point: 03057
Process: B17

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

Item 99.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emitting tapes shall be processed so that the VOC emission rate potential from Emission Point 03057 is less than 3.0 pounds per hour and the actual emissions in the absence of control equipment from Emission Point 03057 are less than 15.0 pounds per day averaged annually.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 100.1:

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

6 NYCRR 212.10 (c) (1)

Item 100.2:

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

Item 100.3:

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 100.4:

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 100.5:

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 100.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR Emission Point: 04064
Process: CY1

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

Item 100.7:

Compliance Certification shall include the following monitoring:

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Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emitting tapes shall be processed so that the VOC emission rate potential from Emission Point 04064 is less than 3.0 pounds per hour.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 101: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 101.1:

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

6 NYCRR 212.10 (c) (1)

Item 101.2:

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

Item 101.3:

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 101.4:

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

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applicable requirement.

Item 101.5:

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 101.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR Emission Point: 04066
Process: CY1

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

Item 101.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emitting tapes shall be processed so that the VOC emission rate potential from Emission Point 04066 is less than 3.0 pounds per hour.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 102: Capping Monitoring Condition

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 102.1:

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

6 NYCRR 212.10 (f)

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Item 102.2:

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

Item 102.3:

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 102.4:

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 102.5:

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 102.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-GNRTR Emission Point: 04072
Process: CY1

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

Item 102.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

VOC emitting tapes shall be processed so that the VOC emission rate potential from Emission Point 04072 is less than 3.0 pounds per hour and the actual emissions in the absence of control equipment from Emission Point 04072 are less than 15.0 pounds per day averaged annually.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the

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date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 103: General Provisions
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-1.7

Item 103.1:
This Condition applies to Emission Unit: 1-STDLO

Item 103.2:
(a) Emission data. Any person who owns or operates a stationary combustion installation described in 6 NYCRR Part 227-1 shall provide pertinent data concerning emissions when so requested by the commissioner.

(b) Test methods. Sampling, compositing and analysis of fuel samples shall be carried out in accordance with the most recent ASTM standard methods or equivalent methods acceptable to the commissioner.

Condition 4-4: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (b)

Item 4-4.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

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

Item 4-4.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of these large boilers shall not cause or allow emissions of oxides of nitrogen in excess of 0.06 pounds NOx per million BTU.

The owner or operator shall conduct emissions tests at least once per permit term and at any other time specified by the DEC. Testing shall be conducted while combusting

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natural gas only in accordance with a protocol approved by the DEC in accordance with the time frames specified in 6 NYCRR 202-1.

Upper Permit Limit: 0.06 pounds per million Btus
Reference Test Method: 40 CFR Part 60, App A
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 104: Date of construction notification - If a COM is not used.
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.7(a), NSPS Subpart A

Item 104.1:

This Condition applies to Emission Unit: 1-STDLO

Item 104.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 4-5: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.44b(a)(1), NSPS Subpart Db

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Item 4-5.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

Regulated Contaminant(s):

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

Item 4-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No owner or operator of an affected facility that combusts only natural gas shall cause to be discharged into the atmosphere from that affected facility any gases that contain NO_x (expressed as NO₂) in excess of 0.10 lb NO_x/mmBTU.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Alternative Monitoring Plan

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 5-1: Capping Monitoring Condition

Effective between the dates of 10/04/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 4-6

Item 5-1.1:

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

6 NYCRR Subpart 231-6

Item 5-1.2:

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

Item 5-1.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

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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 5-1.4:

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

Item 5-1.5:

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

Item 5-1.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

Process: NG3

Regulated Contaminant(s):

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

Item 5-1.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel consumption shall be limited to avoid triggering new source review requirements. The federally enforceable limit indicated below shall not be exceeded. Consumption shall be tracked and emissions shall be monitored on a rolling 12-month basis.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 1350 million cubic feet per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 4-7: Capping Monitoring Condition
Effective between the dates of 09/08/2016 and 04/05/2020



Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 106

Item 4-7.1:

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

6 NYCRR 231-2.2 (a)
40 CFR 52.21

Item 4-7.2:

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

Item 4-7.3:

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 4-7.4:

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 4-7.5:

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 4-7.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO
Process: NG3

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

Item 4-7.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The facility shall limit the oxides of nitrogen emissions

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from each boiler to 0.057 pounds per million Btu. The oxides of nitrogen limit of 0.057 lb/mmBtu in conjunction with the natural gas usage limit contained elsewhere in the permit will cap oxide of nitrogen emissions to less than the applicability threshold of 40 tons per year for 6 NYCRR Part 231-2 and 40 CFR 52.21, Subpart A.

The oxides of nitrogen limit of 0.057 lb/mmBtu contained in this condition will also demonstrate compliance with the 0.60 lb/mmBtu limit contained in 6 NYCRR Part 227-2.4(b) and the 0.10 lb/mmBtu limit derived from the equation contained in 40 CFR 60.44b(l)(2), Subpart Db.

The facility has demonstrated compliance with this limit during the initial stack test performed on 12/01/08. Subsequent compliance shall be determined by stack testing once during the term of the permit.

The stack testing shall be performed in accordance with the requirements contained in 6 NYCRR Part 227-2.6(c) and 40 CFR 60.46b(e)(1), Subpart Db.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.057 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 105: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 105.1:

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

6 NYCRR 231-2.2 (a)
40 CFR 52.21

Item 105.2:

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

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Item 105.3:

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 105.4:

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 105.5:

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 105.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

Process: NG3

Regulated Contaminant(s):

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

Item 105.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition is a capping condition which demonstrates, by continuous emission monitoring via an EPA-approved alternate monitoring plan (AMP), that each of the two 244 mmBTU/hr boilers, when firing natural gas, do not exceed the oxides of nitrogen (NOx) emission limit necessary to avoid the applicability of prevention of significant deterioration (PSD) requirements, pursuant to 40 CFR 52-A.21, and new source review in nonattainment areas and ozone transport region (NNSR) requirements, pursuant to 6NYCRR 231-2.2. The limit for both boilers combined is 40 TPY NOx. The approved AMP allows for RATA testing once per every 4 operating quarters.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 40 tons per year

Reference Test Method: Alternative Monitoring Plan

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Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 4-8: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)

Item 4-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO
Process: NG3

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

Item 4-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Oxides of Nitrogen (NOx) emission limit for natural gas fired large boilers. Stack testing will be required in order to demonstrate compliance with the emission limit. The initial stack testing shall be conducted no later than one hundred and eighty (180) days after the startup. The stack testing shall be conducted in accordance with a stack test protocol that has been approved by the Department. The stack test protocol shall be submitted at least thirty (30) days prior to the testing in accordance with 6 NYCRR Part 227.6(c). Within sixty (60) days of completing the stack testing, the facility shall submit to the Department a report describing the results of such stack tests. Subsequent stack tests must be conducted at least once during the term of the permit.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.06 pounds per million Btus
Reference Test Method: Method 7, 7E, or 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.

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Permit ID: 4-4215-00054/00173

Facility DEC ID: 4421500054



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

Condition 107: Applicability of oxides of nitrogen standard.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.44b(h), NSPS Subpart Db

Item 107.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 107.2:

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

Condition 108: Averaging period.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.44b(i), NSPS Subpart Db

Item 108.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 108.2:

Except as noted in paragraph (j) of this section, compliance with the emission limits shall be determined on a 30 day rolling average basis.

Condition 109: Compliance methods for oxides of nitrogen.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.46b, NSPS Subpart Db

Item 109.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 109.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 110: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

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Applicable Federal Requirement:40CFR 60.46b(e)(4), NSPS Subpart Db

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

Process: NG3

Regulated Contaminant(s):

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

Item 110.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Following the date on which the initial performance test is completed or required to be completed under 40 CFR Part 60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the nitrogen oxides standards under 40 CFR Part 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, nitrogen oxides emissions data collected pursuant to 40 CFR Part 60.48b(g)(1) or 40 CFR Part 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the nitrogen oxides emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: EPA RM 7, 7A, or 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 111: Alternative monitoring for oxides of nitrogen.
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.48b(g), NSPS Subpart Db



Item 111.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 111.2:

Facilities may monitor their affected unit then predict the oxides of nitrogen emission rate in accordance with a plan as specified in subdivision 40 CFR 60D-b.49b(c).

Condition 112: Plan for Monitoring of Steam Generating Unit Operating Conditions

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(c), NSPS Subpart Db

Item 112.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 112.2:

The owner or operator of each affected facility subject to the nitrogen oxides standard of 40 CFR Part 60.44b who seeks to demonstrate compliance with those standards through the monitoring of steam generating unit operating conditions under the provisions of 40 CFR Part 60.48b(g)(2) shall submit to the Administrator for approval a plan that identifies the operating conditions to be monitored under 40 CFR Part 60.48b(g)(2) and the records to be maintained under 40 CFR Part 60.49b(j). This plan shall be submitted to the Administrator for approval within 360 days of the initial startup of the affected facility. The plan shall:

(1) Identify the specific operating conditions to be monitored and the relationship between these operating conditions and nitrogen oxides emission rates (i.e., ng/J or lbs/million Btu heat input). Steam generating unit operating conditions include, but are not limited to, the degree of staged combustion (i.e., the ratio of primary air to secondary and/or tertiary air) and the level of excess air (i.e., flue gas oxygen level);

(2) Include the data and information that the owner or operator used to identify the relationship between nitrogen oxides emission rates and these operating conditions;

(3) Identify how these operating conditions, including steam generating unit load, will be monitored under 40 CFR Part 60.48b(g) on an hourly basis by the owner or operator during the period of operation of the affected facility; the quality assurance procedures or practices that will be employed to ensure that the data generated by monitoring these operating conditions will be representative and accurate; and the type and format of the records of these operating conditions, including steam generating unit load, that will be maintained by the owner or operator under 40 CFR Part 60.49b(j).

If the plan is approved, the owner or operator shall maintain records of predicted nitrogen oxide emission rates and the monitored operating conditions, including steam generating unit load,

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identified in the plan.

Condition 113: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(d), NSPS Subpart Db

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO
Process: NG3

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 114: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO
Process: NG3

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

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 115: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(h)(2), NSPS Subpart Db

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Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-STDLO

Process: NG3

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility that is subject to the nitrogen oxides standard of 40 CFR 60.44b, and that combusts natural gas, distillate oil, or residual oil with a nitrogen content of 0.3 weight percent or less, or has a heat input capacity of 250 mmBtu/hr or less and is required to monitor nitrogen oxide emissions on a continuous basis under 40 CFR 60.48b(g)(1) or steam generating unit operating conditions under 40 CFR 60.48b(g)(2), shall submit excess emission reports for any excess emissions which occurred during the reporting period. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

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 7/30/2015.

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

Condition 116: Records Retention

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(o), NSPS Subpart Db

Item 116.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 116.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 117: Reporting and Recordkeeping - Electronic report submittal

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(v), NSPS Subpart Db

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Item 117.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 117.2:

The owner or operator of an affected facility may submit electronic quarterly reports for SO₂ and/or NO_X and/or opacity in lieu of submitting the written reports required under paragraphs (h), (i), (j), (k) or (l) of 40 CFR 60.49b. The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in this alternative format.

Condition 118: Reporting Period
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.49b(w), NSPS Subpart Db

Item 118.1:

This Condition applies to Emission Unit: 1-STDLO
Process: NG3

Item 118.2:

The reporting period for the reports required under this subpart is each 6 month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

Condition 119: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 119.1:

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

6 NYCRR Subpart 231-6

Item 119.2:

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

Item 119.3:

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.

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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 119.4:

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 119.5:

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 119.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 119.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility will adopt a federally enforceable limit on VOC emissions of 39.5 tons/year from the emissions unit to avoid triggering New Source Review requirements. The facility will keep records of VOC-containing material usage and calculate VOC emissions monthly using supplier material formulations, emissions or other environmental data or other process or emissions data as appropriate.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 120: Capping Monitoring Condition

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 120.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the

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purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-6

Item 120.2:

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

Item 120.3:

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 120.4:

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 120.5:

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 120.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Regulated Contaminant(s):

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

Item 120.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of NOx from all combined sources in this emission unit shall not exceed 79,000 pounds over any 12 consecutive months. Emissions of NOx from sources in this emission unit will be based on emission factors that will be applied to monthly fuel usage records for source groups with the same emission factors. Emission factors used in the application for this permit are acceptable for calculating NOx emissions. GE may propose updated and new

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emission factors for approval by the Department. The updated emission factors will not be used without the Department's written approval.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 12 calendar month(s).

Condition 121: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item 121.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Item 121.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with clause 231-4.1(b)(41)(i)(c) of this Part are added and is less than the applicable significant project threshold, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part and is less than the applicable significant project threshold, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this



Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s); and

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 122: Date of Construction Notification - if a COM is used.
Effective between the dates of 04/06/2015 and 04/05/2020**



Applicable Federal Requirement:40CFR 60.7(a), NSPS Subpart A

Item 122.1:

This Condition applies to Emission Unit: B-ATTRY

Item 122.2:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

Condition 123: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY
Process: CF1

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

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Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Owners and/or operators of any source, which is required by the Department to demonstrate compliance with this Part, must comply with the notification requirements and must conduct stack emissions testing using acceptable procedures pursuant to Part 202 of this Title. Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The person who owns or operates an air contamination source shall submit the emission test report in triplicate to the commissioner within 60 days after the completion of tests. The owners and/or operators of this source shall perform an initial performance test on one of the eight cell finishing emission points to demonstrate compliance with the upper permit limit of 0.05 grains per dry standard cubic foot (gr/dscf). Demonstrating compliance with this limit for one emission point shall serve to certify compliance for all eight emission points.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 124: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Process: CP2

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Based on the approved stack test results submitted by GE Battery in 2014, the facility shall maintain operating

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parameters of the HCl scrubber as demonstrated during the 2014 stack test, or more recently approved stack test.

Source owner shall operate a monitoring device that measures and records the scrubber pH during normal scrubber operation. The Source Owner shall utilize average hourly pH readings to demonstrate compliance with the pH operating limits.

Records of all pH monitoring data shall be kept in electronic form or in another format acceptable to the Department, and shall be available upon request. Records shall be maintained at the facility for at a minimum of five 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 7/30/2015.

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

Condition 125: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Process: CP2

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 125.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure continued compliance with the requirement, the scrubber operating parameters validated in required stack testing shall be maintained within the range as determined during the approved stack test results submitted in 2014, or more recently approved. The monitoring of this surrogate will assist in demonstrating effective removal of HCl and compliance with HCl emission limits. Source owner shall operate a monitoring device that measures and records the scrubber pH during normal scrubber

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operation.

The Source Owner shall utilize average hourly pH readings to demonstrate compliance with the pH operating limits.

Parameter Monitored: PH

Lower Permit Limit: 6 pH (STANDARD) units

Upper Permit Limit: 10 pH (STANDARD) units

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 126: Performance testing timeline.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(a), NSPS Subpart A

Item 126.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP3

Item 126.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 127: Standards for particulate matter
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.732(a), NSPS Subpart UUU

Item 127.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP3

Item 127.2:

Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by Section 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:

(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers

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installer in series and in excess of 0.057 g/dscm for dryers; and

(b) Exhibits greater than 10% opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

Condition 128: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.732(a), NSPS Subpart UUU

Item 128.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Process: PP3

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

GE Battery conducted an initial performance test for process PP3 Calciner in accordance with 60.736 "Test Methods And Procedures." This initial performance test was conducted January 25, 2012 on the Calciner emission point within the time frame specified in 60.8 "Performance tests" and demonstrated compliance with the emission limit for particulate matter per 60.732(a) "Standards For Particulate Matter" for Calciners.

Future testing of this process can be required by Department upon request.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .092 grams PM per dry standard cubic meter

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 129: Test methods and procedures
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.736, NSPS Subpart UUU

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Item 129.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP3

Item 129.2:

The permit for a facility subject to the provisions of this subpart must include the test methods and procedures listed in this section.

Condition 130: Performance testing timeline.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.8(a), NSPS Subpart A

Item 130.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP5

Item 130.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 131: Standards for particulate matter
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.732(a), NSPS Subpart UUU

Item 131.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP5

Item 131.2:

Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by Section 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:

(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installer in series and in excess of 0.057 g/dscm for dryers; and

(b) Exhibits greater than 10% opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device.

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Condition 132: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.732(a), NSPS Subpart UUU

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY
Process: PP5

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

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

GE Battery conducted an initial performance test for process PP5 Dryer in accordance with 60.736 "Test Methods And Procedures." This initial performance test was conducted January 25, 2012 on the Dryer emission point within the time frame specified in 60.8 "Performance tests" and demonstrated compliance with the emission limit for particulate matter per 60.732(a) "Standards For Particulate Matter" for Dryers.

Future testing of this process can be required by Department upon request.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .057 grams PM per dry standard cubic meter

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 133: Test methods and procedures
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.736, NSPS Subpart UUU

Item 133.1:

This Condition applies to Emission Unit: B-ATTRY
Process: PP5



Item 133.2:

The permit for a facility subject to the provisions of this subpart must include the test methods and procedures listed in this section.

Condition 134: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY
Process: TF1

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

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A stack test was performed to determine the overall removal efficiency of the afterburner used to control VOC emissions in February 2012. At the request of the Department or if process changes necessitate the facility shall stack test to determine control efficiency. The owner or operator must follow notification requirements, protocol requirements, test procedures, and reporting requirements of 6NYCRR Part 202 for testing and monitoring. Depending upon the conditions at a test site, one of the following test methods from Appendix A of 40 CFR 60 must be used when measuring total volatile organic compound (VOC) concentrations of a gas stream at the inlet and outlet of a control device to determine the destruction and/or removal efficiency:

(a) Method 25, Determination of Total Gaseous Non-methane Organic Emissions as Carbon,

(b) Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.

(c) Methods not listed above must be approved in advance by the commissioner's representative and the United States Environmental Protection Agency.

As determined during the stack test, the afterburner operating temperature shall become the minimum operating

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temperature that demonstrates compliance with 6 NYCRR Part 212.10(c)(4)(i). Demonstrating compliance with this limit for one afterburner unit shall serve to certify compliance for all identical afterburner units.

Lower Permit Limit: 81 percent degree of air cleaning or greater

Reference Test Method: EPA method 25, 25A or other referenced method(s)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 135: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 135.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY

Process: TF1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 135.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Based on the approved stack test results submitted by GE Battery in February 2012, the facility shall maintain operating parameters of the shuttle kiln as demonstrated during the 2012 stack test, or most recently approved stack test.

The source owner shall start the afterburners within the first thirty (30) minutes into the kiln operating cycle and ramp-up and maintain a minimum afterburner operating temperature of 387°C until the kiln operating temperature reaches 700°C. The afterburners shall be shut down when the kiln temperature reaches 700°C.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 387 degrees Centigrade (or Celsius)



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Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 136: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-ATTRY
Process: TF1

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

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Based on the approved stack test results submitted by GE Battery in February 2012, the facility shall maintain operating parameters of the shuttle kiln as demonstrated during the 2012 stack test, or most recently approved stack test.

Records of all temperature data shall be kept in electronic form or in another format acceptable to the Department, and shall be available upon request. Records shall be maintained at the facility for at a minimum of five years.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 4-9: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-2.5 (a)

Item 4-9.1:

The Compliance Certification activity will be performed for:

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Emission Unit: B-OILRS

Regulated Contaminant(s):

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

Item 4-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For the purpose of demonstrating compliance with the calendar-year NOx emission limit of 0.2 lb/MMBtu, GE will maintain a record of the calendar-year rolling total NOx emissions, in units of pounds NOx emitted per MMBtu fuel fired for Boiler 5. Calendar-year total NOx emissions will be estimated by dividing total pounds NOx emitted each month by the MMBtu of fuel fired each month. Initially, monthly total pounds NOx emitted per MMBtu will be estimated based on the NOx emission rates used in the 2015 RACT evaluation. Following completion of the required stationary source testing to be conducted for the boiler, total pounds NOx emitted each month will be estimated using the NOx emission rates for natural gas and No. 6 fuel oil obtained from this testing.

This testing is required to be conducted once during the permit term. In the event GE has not re-established the capability to fire No. 6 fuel oil in Boiler 5, testing shall be conducted to establish NOx emission rates for natural gas firing only, and GE may continue to use the NOx emission rates for No. 6 fuel oil firing used in the 2015 RACT evaluation.

In the event GE re-establishes the capability to fire No. 6 fuel oil in Boiler 5, testing shall be conducted to establish the NOx emission rate for No. 6 fuel oil firing within 180 days after being capable of firing oil.

A testing protocol shall be submitted to the Department for approval at least 30 days prior to any stack testing. Records shall be maintained on site for at least 5 years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: METHOD 7, 7E, 19

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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



Condition 4-10: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-2.5 (a)

Item 4-10.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Regulated Contaminant(s):

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

Item 4-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For the purpose of demonstrating compliance with the calendar-year NO_x emission limit of 0.2 lb/MMBtu, GE will maintain a record of the calendar-year rolling total NO_x emissions, in units of pounds NO_x emitted per MMBtu fuel fired for Boiler 6. Calendar-year total NO_x emissions will be estimated by dividing total pounds NO_x emitted each month by the MMBtu of fuel fired each month. Initially, monthly total pounds NO_x emitted per MMBtu will be estimated based on the NO_x emission rates used in the 2015 RACT evaluation. Following completion of the required stationary source testing to be conducted for the boiler, total pounds NO_x emitted each month will be estimated using the NO_x emission rates for natural gas and No. 6 fuel oil obtained from this testing.

This testing is required to be conducted once during the permit term. In the event GE has not re-established the capability to fire No. 6 fuel oil in Boiler 6, testing shall be conducted to establish NO_x emission rates for natural gas firing only, and GE may continue to use the NO_x emission rates for No. 6 fuel oil firing used in the 2015 RACT evaluation.

In the event GE re-establishes the capability to fire No. 6 fuel oil in Boiler 6, testing shall be conducted to establish the NO_x emission rate for No. 6 fuel oil firing within 180 days after being capable of firing oil.

A testing protocol shall be submitted to the Department for approval at least 30 days prior to any stack testing. Records shall be maintained on site for at least 5 years.

Parameter Monitored: OXIDES OF NITROGEN

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Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ANNUALLY
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 4-11: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-2.5 (a)

Item 4-11.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Regulated Contaminant(s):

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

Item 4-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For the purpose of demonstrating compliance with the calendar-year NOx emission limit of 0.2 lb/MMBtu, GE will maintain a record of the calendar-year rolling total NOx emissions, in units of pounds NOx emitted per MMBtu fuel fired for Boiler 7. Calendar-year total NOx emissions will be estimated by dividing total pounds NOx emitted each month by the MMBtu of fuel fired each month. Initially, monthly total pounds NOx emitted per MMBtu will be estimated based on the NOx emission rates used in the 2015 RACT evaluation. Following completion of the required stationary source testing to be conducted for the boiler, total pounds NOx emitted each month will be estimated using the NOx emission rates for natural gas and No. 6 fuel oil obtained from this testing.

This testing is required to be conducted once during the permit term. In the event GE has not re-established the capability to fire No. 6 fuel oil in Boiler 7, testing shall be conducted to establish NOx emission rates for natural gas firing only, and GE may continue to use the NOx emission rates for No. 6 fuel oil firing used in the 2015 RACT evaluation.

In the event GE re-establishes the capability to fire No. 6 fuel oil in Boiler 7, testing shall be conducted to

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establish the NOx emission rate for No. 6 fuel oil firing within 180 days after being capable of firing oil.

A testing protocol shall be submitted to the Department for approval at least 30 days prior to any stack testing. Records shall be maintained on site for at least 5 years.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: METHOD 7, 7E, 19
Monitoring Frequency: ANNUALLY
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 137: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 137.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Item 137.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate, and maintain according to good engineering practice a COMS in the stack satisfying the applicable criteria in Appendix B of 40 CFR part 60.

The owner shall submit an excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible official as true, accurate and complete and post marked by the 30th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the

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Department and shall include the following minimum information:

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken, where applicable;
- (3) Identification of all periods of COMS down time during periods when the COMS is required to be operated, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS down time period;
- (4) The total time in which the COMS are 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 which the COMS are required to record data.

Manufacturer Name/Model Number: Rosemount OPM2000R Opacity Monitor
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 138: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 138.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Item 138.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

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Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation.

The owner or operator shall collect oil samples of residual fuel oil and monitor sulfur content. The monitoring frequency shall be in accordance with the applicable requirements listed elsewhere in this permit for "40CFR 60.46c(d)(1), NSPS Subpart Dc" or "40CFR 60.46c(d)(2), NSPS Subpart Dc" and the averaging method shall be 30 day rolling average.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 139: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 139.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

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Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

The owner or operator shall collect oil samples of residual fuel oil and monitor sulfur content. The monitoring frequency shall be in accordance with the applicable requirements listed elsewhere in this permit for "40CFR 60.46c(d)(1), NSPS Subpart Dc" or "40CFR 60.46c(d)(2), NSPS Subpart Dc" and the averaging method shall be 30 day rolling average.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 140: Averaging period.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.42c(g), NSPS Subpart Dc

Item 140.1:
This Condition applies to Emission Unit: B-OILRS
Process: 67O

Item 140.2:
Compliance with emission limits, percent reduction, and fuel oil sulfur limitations shall be based on a 30 day rolling average.

Condition 141: Enforceability
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.42c(i), NSPS Subpart Dc

Item 141.1:
This Condition applies to Emission Unit: B-OILRS
Process: 67O

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Item 141.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Condition 142: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc

Item 142.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: 67O

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 142.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. The particulate matter and opacity standards of section 40CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 143: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 04/06/2015 and 04/05/2020



Applicable Federal Requirement:40CFR 60.44c(g), NSPS Subpart Dc

Item 143.1:

This Condition applies to Emission Unit: B-OILRS
Process: 67O

Item 143.2:

Oil fired facilities demonstrating compliance through sampling and analysis shall initially prove the oil sulfur content to be 0.50% by weight or less.

**Condition 144: Compliance methods for particulate matter.
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.45c, NSPS Subpart Dc

Item 144.1:

This Condition applies to Emission Unit: B-OILRS
Process: 67O

Item 144.2:

The facility shall conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

**Condition 145: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:40CFR 60.46c(d)(1), NSPS Subpart Dc

Item 145.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 145.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the

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SO2 control device (or outlet of the steam generating unit if no SO2 control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO2 emission rate by sampling fuel prior to combustion.

For affected facilities combusting coal or oil, coal or oil samples shall be collected daily in an as-fired condition at the inlet to the steam generating unit and analyzed for sulfur content and heat content according the Method 19. Method 19 provides the procedures for converting these measurements into the format to be used in calculating the average SO2 input rate.

Alternatively, the requirements of 40 CFR 60.46c(d)(2) can apply during the process source combustion of residual fuel oil.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 146: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 146.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: 67O

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 146.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the SO2 control device (or outlet of the steam generating unit

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if no SO₂ control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO₂ emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 147: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(b), NSPS Subpart Dc

Item 147.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: 67O

Item 147.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of each affected facility subject to the sulfur dioxide emission limits of 40 CFR 60.42c, or the PM or opacity limits of 40 CFR 60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests and, if applicable, the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Compliance testing will be conducted at the discretion of the Department.

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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 148: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(c), NSPS Subpart Dc

Item 148.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, oil-fired, or wood-fired affected facility subject to the opacity limits under 40 CFR 60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.

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 7/30/2015.

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

Condition 149: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(d), NSPS Subpart Dc

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

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Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 150: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 60.48c(e)(1), NSPS Subpart Dc

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.

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 7/30/2015.

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

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Condition 151: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 40CFR 60.48c(e)(2), NSPS Subpart Dc

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS
Process: 67O

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO₂ emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

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 7/30/2015.

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

Condition 4-12: Capping Monitoring Condition
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 4-12.1:

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

40 CFR Part 52, Subpart A

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Item 4-12.2:

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

Item 4-12.3:

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 4-12.4:

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 4-12.5:

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 4-12.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: 67O

Emission Source: 0002A

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 4-12.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall monitor and record fuel usage to maintain emissions below the PSD applicability threshold requirement of 40 tons per year significant increase for oxides of nitrogen (NOx). To stay below the significant increase, sources 0002A (Boiler #7) and 0004B (Boiler #6) shall have their fuel usage restricted such that the maximum NOx emissions from each boiler shall not exceed 98.0 tons per year.

Compliance with the 98.0 tons per year NOx emission limit shall be accomplished by documenting that each boiler



meets its NO_x RACT requirement of not being fired primarily with residual oil. Based on the previous installation of low NO_x burners (and subsequent Department acceptance in 1996 of a stack test report indicating NO_x of less than 0.1 pounds per million BTUs when firing gas and 0.3 pounds per million BTUs when firing residual fuel oil), the maximum heat input capacity of each boiler when firing gas is 861,984 million BTUs per year. When firing a combination of gas and oil, the total BTU input to each boiler shall not exceed 837,228 million BTUs per year, where heat content for natural gas is 1,014 BTUs per cubic foot and for residual oil is 150,000 BTUs per gallon. To prevent each boiler from firing primarily with oil, the BTU input from firing oil shall not exceed 49 percent of 837,228 million BTUs per year. Based on the limitation of 49 percent of the total allowed heat input, each boiler shall be restricted to firing 2,734,900 gallons of residual fuel oil in any consecutive 12 month period.

Compliance for source 0002A shall be determined by summing the individual fuel usage during any consecutive 12 month period. By the end of each month, the facility shall calculate total fuel usage for the previous month and total fuel usage for the previous consecutive 12 month period. Monthly fuel usage shall be determined by collecting daily fuel usage amounts.

If No. 6 fuel oil is fired during the month, the facility will indicate the purpose of oil firing (i.e., natural gas curtailment, natural gas supply emergency, or periodic testing for no more than 48 hours per year) to demonstrate the boiler is operated as a gas-fired boiler in accordance with 40 CFR Part 63, Subpart JJJJJJ.

[NOTE: The 98.0 tons per year restriction and the NO_x RACT requirement of not being fired primarily with residual oil (i.e. the limitation of 49 percent of the total allowed heat input for firing oil) were implemented in Special Conditions dated 01/06/95 (developed as a result of an 08/24/94 PSD Netting Analysis For Boilers #6 and #7) for a previous emission point permit.]

GE may propose updated and new emission factors to be used for this compliance demonstration. The updated emission factors will not be used without the Department's written approval.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 6 OIL

Upper Permit Limit: 2734900 gallons

Monitoring Frequency: DAILY

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Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 4-13: Compliance Certification

Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 227-1.3

Replaces Condition(s) 155

Item 4-13.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: B5O

Item 4-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by Continuous Opacity Monitoring System (COMs) data as indicated in "Applicable Federal Requirement 6NYCRR 227-1.3 for Emission Unit B-OILRS, Process B5O" contained elsewhere in this permit or by Visual Inspection "periodic monitoring" as indicated by the following paragraphs of this condition. It is intended that one of these conditions be applicable at all times the emission unit process(es) operate.

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

1) On each day such a boiler is fired by oil, observe each stack for that boiler for visible emissions (determining the presence or absence of visible emissions). Each observation must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) If the daily instantaneous observations of any visible emissions (other than steam - see ** NOTE ** below) are greater than 20 percent for two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive



days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The Regional Air Pollution Control Engineer (RAPCE) shall be notified within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, corrective actions shall be indicated to the Department.

3) Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of daily observations shall include detailing the days the emission unit process(es) operate, time of day of observation, observer's name, identity of emission point(s), weather conditions observed, an explanation for each day that weather conditions are prohibitive, whether a plume is or is not observed and whether visible emissions greater than 20 percent are observed, and corrective actions taken. The documentation maintained shall also include records of the Method 9 analyses performed. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

4) The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

If No. 6 fuel oil is fired during the month, the facility will indicate the purpose of oil firing (i.e., natural gas curtailment, natural gas supply emergency, or periodic testing for no more than 48 hours per year) to demonstrate the boiler is operated as a gas-fired boiler in accordance with 40 CFR Part 63, Subpart JJJJJJ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 154: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 154.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-OILRS

Process: B5O

Item 154.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by Visual Inspection "periodic monitoring" as indicated in "Applicable Federal Requirement 6NYCRR 227-1.3 for Emission Unit B-OILRS, Process B5O" contained elsewhere in this permit or by Continuous Opacity Monitoring System (COMs) data as indicated by the following paragraphs of this condition. It is intended that one of these conditions be applicable at all times the emission unit process(es) operate.

COMs data shall be obtained from a COMs that is installed, calibrated, maintained, and operated in accordance with all required specifications and regulations including the applicable criteria in Appendix B of 40 CFR part 60. Except during periods of COMs down time, COMs data monitoring frequency shall be continuous when Visual Inspection "periodic monitoring" is not elected.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall detail when Visual Inspection "periodic monitoring" is elected and when COMs data is elected and shall contain sufficient information to provide, upon request by the Department, an excess emissions and monitoring system performance report for a calendar year quarter. A requested report shall be submitted in a form acceptable to the Department and the report shall include the

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following minimum information:

- 1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- 2) For each event of excess emissions, specific identification of the cause and corrective action taken, where applicable;
- 3) Identification of all occurrences of COMs down time (regardless of whether down time results from equipment failure or because Visual Inspection "periodic monitoring" is elected or for some other reason) during periods when the COMs is required to be operated, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMs down time period;
- (4) The total time in which 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 which the COMs is required to record data.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Manufacturer Name/Model Number: Rosemount OPM2000R Opacity Monitor

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 156: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 156.1:

The Compliance Certification activity will be performed for:

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Emission Unit: B-OILRS

Process: B5O

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation.

The owner or operator shall collect oil samples of residual fuel oil and monitor sulfur content. The monitoring frequency shall be in accordance with the applicable requirements listed elsewhere in this permit for "40CFR 60.46c(d)(1), NSPS Subpart Dc" or "40CFR 60.46c(d)(2), NSPS Subpart Dc" and the averaging method shall be 30 day rolling average.

As an alternative to collecting oil samples of residual fuel oil for monitoring sulfur content, the owner or operator may elect to retain fuel oil supplier certifications for each shipment of oil received. For this alternative, the monitoring frequency shall be "per delivery" and the averaging method shall be "maximum - not to be exceeded at any time (instantaneous/discrete or grab)".

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

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Condition 157: Multiple combustion sources.
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-1.2 (b)

Item 157.1:

This Condition applies to Emission Unit: B-OILRS Emission Point: 00004

Item 157.2:

The total heat input of all furnaces connected to the same stack or pollution control device shall be used to calculate the permissible particulate emission rate.

Condition 5-2: Compliance Certification
Effective between the dates of 10/04/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212-1.5 (g)

Item 5-2.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-I0001

Item 5-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission sources and controls shall be operated and maintained according to good engineering practice. Inspections of the particulate filtration system shall be performed once per calendar quarter. Filters must be changed on a regular basis and be maintained to ensure compliance.

Documentation shall be maintained by keeping records as appropriate to demonstrate compliance. Records shall include detailing the results of the inspections, routine maintenance activities, malfunctions, and any repairs and/or corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations, as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available to the Department for review.

Monitoring Frequency: QUARTERLY

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 11/04/2016 for the period 10/04/2016 through 10/05/2016



Condition 5-3: Compliance Certification
Effective between the dates of 10/04/2016 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 5-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-I0001

Item 5-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity) and in compliance with section 212-1.6 are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

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Condition 5-4: Emission Testing Using Approved Procedures
Effective between the dates of 10/04/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212-1.7 (a)

Item 5-4.1:

This Condition applies to Emission Unit: E-I0001

Item 5-4.2:

Facility owners and/or operators of a process emission source required by the department to demonstrate compliance with this Part may be required to conduct capture efficiency and/or stack emissions testing using acceptable and approved procedures pursuant to Part 202 of this Title.

Condition 158: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 158.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-VAPOR

Process: L6A

Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 4-14: Compliance Certification
Effective between the dates of 09/08/2016 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 4-14.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-XMBLR

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Item 4-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. DAR-5 (Air Guide 33) entitled "Small Boiler Tune-up Requirements for NOx RACT Compliance" addresses the tune-up including additional record keeping requirements.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall include the date which the equipment was adjusted and the name, title, and affiliation of the person who adjusted the equipment.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 160: Compliance Certification

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-ANDER

Process: SAN

Item 160.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission sources and controls shall be operated and maintained according to good engineering practice. Inspections of the controls (dust collectors) shall be performed once per month during months the emission unit process(es) operate.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall

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include detailing the months the emission unit process(es) operate, the results of the inspections, routine maintenance activities, malfunctions, and any repairs and/or corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 7/30/2015.

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

Condition 161: Capping Monitoring Condition
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 161.1:

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

6 NYCRR 231-2.2 (a)

Item 161.2:

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

Item 161.3:

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 161.4:

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 161.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

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for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 161.6:

The Compliance Certification activity will be performed for:

Emission Unit: T-URBIN

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 161.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of VOCs from sources in this emission unit shall be less than 76,000 pounds over any 12 consecutive month period.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

**Condition 162: Surface Coating - Handling, storage and disposal
Effective between the dates of 04/06/2015 and 04/05/2020**

Applicable Federal Requirement:6 NYCRR 228-1.3 (d)

Item 162.1:

This Condition applies to Emission Unit: T-URBIN

Item 162.2:

Within the work area(s) associated with a coating line, the owner or operator of a facility must:

(1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;



- (2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (6) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (7) clean hand held spray guns by one of the following:
 - (i) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Condition 163: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 163.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-URBIN
Process: CC2

Item 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission sources and controls shall be operated and maintained according to good engineering practice. All paint booths will be required to have filters. The filters must be changed on a regular basis and be

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maintained to ensure compliance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall include detailing the months the emission unit process(es) operate, and dates and times when the filters are changed, any malfunctions that occur, and any repairs that are made.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 7/30/2015.

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

Condition 164: Compliance Certification
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 164.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-URBIN

Process: CC2

Item 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).



A visible emissions observation shall not be required on portable paint booths and fugitive sources that have no stacks. Where portable paint booths are used, to manage fugitive emissions, these paint booths will be required to have filters. The filters must be changed on a regular basis and be maintained to ensure compliance. Records will be maintained by the facility indicating when the filters are changed, any malfunctions that occur, and any repairs that are made.

If the instantaneous observation of any visible emissions (except the emission of uncombined water) from the same emission point and/or emission source is 20 percent or greater for three consecutive observations, then a Method 9 analysis (based on a six minute average) of the affected emission point(s) must be conducted within one business day of such occurrence. The Regional Air Pollution Control Engineer (RAPCE) shall be notified within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, corrective actions shall be indicated to the Department.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of observations shall include detailing the weeks the emission unit process(es) operate, time of day of observation, observer's name, identity of emission point(s), weather conditions observed, an explanation for each observation that weather conditions are prohibitive, whether a plume is or is not observed and whether visible emissions of 20 percent or greater are observed, and corrective actions taken. The documentation maintained shall also include records of the Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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 7/30/2015.

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





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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 165: Contaminant List

Effective between the dates of 04/06/2015 and 04/05/2020

Applicable State Requirement:ECL 19-0301

Item 165.1:

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

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

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY100-00-0
Name: TOTAL HAP

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

CAS No: 0NY998-00-0
Name: VOC

Condition 166: Malfunctions and start-up/shutdown activities

Effective between the dates of 04/06/2015 and 04/05/2020



Applicable State Requirement:6 NYCRR 201-1.4

Item 166.1:

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

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

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

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

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

Condition 167: Visible Emissions Limited
Effective between the dates of 04/06/2015 and 04/05/2020

Applicable State Requirement:6 NYCRR 211.2

Item 167.1:

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.

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

Condition 168: Compliance Demonstration
Effective between the dates of 04/06/2015 and 04/05/2020

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

Item 168.1:

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

Emission Unit: B-OILRS
Process: 67O

Emission Unit: B-OILRS
Process: B5O

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

Item 168.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of boilers (connected to the same emission point) with a maximum heat input exceeding 50 mmBtu per hour but no greater than 250 mmBtu per hour firing oil, other than distillate oil.

Manufacturer Name/Model Number:

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

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

Condition 5-5: Compliance Demonstration
Effective between the dates of 10/04/2016 and 04/05/2020

Applicable State Requirement:6 NYCRR 212-2.1 (a)

Item 5-5.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: E-I0001

Item 5-5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For an air contaminant listed in Section 212-2.2 Table 2 - High Toxicity Air Contaminant List, of this Part, the facility owner or operator shall either limit the actual annual emissions from all process operations at the facility as to not exceed the mass emission limit listed for the individual HTAC; or demonstrate compliance with the air cleaning requirements for the HTAC as specified in Subdivision 212-2.3(b), Table 4 - Degree of Air Cleaning Required for Non-Criteria Air Contaminants, of this Part for the environmental rating assigned to the contaminant by the Department.

All sources in this emission unit are controlled with combination fabric and HEPA filters to control particulate emissions, including metal particulate, to greater than 99%, as required by Table 4 in subdivision 212-2.3(b).

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. the records shall include capture efficiency per the manufacturer. Stack testing that may be required to demonstrate compliance is identified in other compliance certifications.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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