



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-5632-00007/00039
Mod 0 Effective Date: 11/20/2012 Expiration Date: 11/19/2017
Mod 1 Effective Date: 09/08/2015 Expiration Date: 11/19/2017

Permit Issued To: MORTON SALT INC
45 RIBAUD AVE
SILVER SPRINGS, NY 14550

Contact: JAY G TANGEMAN
MORTON SALT
PO BOX 342
SILVER SPRINGS, NY 14550-0342
(585) 493-2511

Facility: MORTON SALT INC
45 RIBAUD AVE E
SILVER SPRINGS, NY 14550

Description:

(1) Morton Salt, Inc. produces, packages, and ships evaporated sodium chloride salt products from the facility located at 45 Ribaud Avenue, Silver Springs, New York.

(2) The current permit modification includes conversion of the main power plant from combusting coal to natural gas. A new natural gas 148 MMBtu/hr steam boiler and eight (8) small direct fired building heaters will replace an existing 138 MMBtu/hr coal boiler and an existing 92.5 MMBtu/hr natural gas boiler.

(3) A netting analysis was completed to avoid a New Source Review major modification. Nitrogen oxide (NO_x) is the only contaminant exceeding the significant project threshold since the project potential to emit (PTE) of 47.2 tons per year (tpy) NO_x is greater than the significant project threshold of 40 tpy.

(4) Emission Reduction Credits (ERCs) created by the shutdown of the two boilers include 111.9 tpy NO_x for the coal boiler and 0.4 tpy NO_x from the gas boiler. The total amount of ERCs created is 112.3 tpy NO_x.

(5) Morton Salt used 7.5 tpy NO_x ERCs to reduce the project PTE below the significant net emission increase of 40 tpy NO_x. The resulting total quantity of ERCs remaining after the netting analysis is 104.8 tpy NO_x.



(6) An air quality impact analysis was completed for this project. The purpose of the analysis was to determine the potential impact of the new project relative to the 1-hour nitrogen dioxide (NO₂) National Ambient Air Quality Standard (NAAQS) and annual PSD increment consumption for NO₂. Maximum annual NO₂ impacts fell well below the significance level of 1 ug/m³. Cumulative modeling was required for the 1-hour averaging period to incorporate impacts from nearby facilities. The maximum impact of 33.7 ug/m³ fell well below the NAAQS of 188 ug/m³, even after adding the conservative background value from Amherst, NY of 100.2 ug/m³.

(7) The new large boiler will comply with the relevant presumptive RACT emission limit of 0.06 pounds NO_x per million Btu burning only natural gas. The NO_x limit will be achieved by the use of low NO_x burners, flue gas recirculation and an oxygen trim system.

(8) The new large boiler will comply with 40 CFR 60 Subpart Db—Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. Morton Salt will install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for measuring NO_x and O₂ (or CO₂) emissions discharged to the atmosphere.

(9) The new large boiler will comply with 40 CFR 63 Subpart DDDDD—National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. For a new affected source, the first 5-year tune-up must be no later than 61 months after the initial startup of the new boiler. Each subsequent 5-year tune-up must be conducted no more than 61 months after the previous tune-up.

(10) A case-by-case NO_x RACT proposal for the existing 138 MMBtu/hr coal boiler, dated February 28, 2013, indicated the NO_x control technologies are not technically or economically feasible due to the small furnace dimensions and flue gas exit temperature.

(11) On April 1, 2013, the amendments to 40 CFR 63 subpart DDDDD became effective. Morton Salt re-evaluated the compliance options for the existing boilers and determined the sources would be shut down to comply with NO_x RACT and 40 CFR 63 subpart DDDDD.

(12) Morton Salt is unable to meet the NO_x RACT compliance date of July 1, 2015 for the existing coal boiler. As required by Consent Order R9-20150615-38, between July 1, 2015 and January 30, 2016, the existing coal boiler must not exceed an emission rate of 0.5 lbs NO_x/MMBtu.

(13) No later than January 30, 2016, the existing large 138 MMBtu/hr Riley Stoker Corp Class BBY30WW coal fired boiler must be permanently shut down.



(14) Morton Salt has committed to shutting down the coal boiler before the compliance date of 40 CFR 63 Subpart DDDDD (5D). As such, the coal boiler will not be subject to the requirements of the regulation. Upon shutdown of the coal boiler, the facility will be a minor source of hazardous air pollutant emissions.

(15) The existing mid-size 92.5 MMBtu/hr Cleaver Brooks Model DL-94S natural gas boiler must be shut down prior to July 1, 2015; thus, in compliance with NOx RACT and 40 CFR 63 Subpart DDDDD.

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: LISA M CZECHOWICZ
 NYSDEC - REGION 9
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 9 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 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 9 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 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-5632-00007/00039

Facility DEC ID: 9563200007



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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45 RIBAUD AVE
SILVER SPRINGS, NY 14550

Facility: MORTON SALT INC
45 RIBAUD AVE E
SILVER SPRINGS, NY 14550

Authorized Activity By Standard Industrial Classification Code:
2899 - CHEMICAL PREPARATIONS, NEC

Mod 0 Permit Effective Date: 11/20/2012

Permit Expiration Date: 11/19/2017

Mod 1 Permit Effective Date: 09/08/2015

Permit Expiration Date: 11/19/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
 - 1-1 6 NYCRR 201-6.4 (a) (7): Fees
 - 1-2 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance
Monitoring
 - 1-3 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and
Measurement
 - 1-4 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
 - 1-5 6 NYCRR 201-6.4 (e): Compliance Certification
 - 6 6 NYCRR 202-2.1: Compliance Certification
 - 7 6 NYCRR 202-2.5: Recordkeeping requirements
 - 8 6 NYCRR 215.2: Open Fires - Prohibitions
 - 9 6 NYCRR 200.7: Maintenance of Equipment
 - 1-6 6 NYCRR 201-1.7: Recycling and Salvage
 - 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected
Contaminants to the air
 - 1-7 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
 - 1-8 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
 - 1-9 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
 - 1-10 6 NYCRR 201-6.4 (a) (8): Right to Inspect
 - 1-11 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
 - 1-12 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
 - 24 6 NYCRR 211.1: Air pollution prohibited
 - 1-13 6 NYCRR 212-1.6 (a): Compliance Certification
 - 1-14 6 NYCRR 212-2.4 (b): Compliance Certification
 - 27 40 CFR Part 64: Compliance Certification
- #### Emission Unit Level
- 28 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 29 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=M-BC001

- 1-15 6 NYCRR 227-2.5: Compliance Certification
- 1-16 6 NYCRR Subpart 231-10: Compliance Certification

EU=M-BC001,Proc=001

- 1-17 6 NYCRR 225-1.2 (c): Compliance Certification
- 1-18 6 NYCRR 227-1.3 (a): Compliance Certification
- 1-19 40CFR 63, Subpart DDDDD: Compliance Certification
- 1-20 40 CFR Part 64: Compliance Certification

EU=M-BC001,Proc=004,ES=B0004

- 1-21 40 CFR Part 64: Compliance Certification



EU=M-BG002

- 1-22 6 NYCRR 227-2.5 (d): Compliance Certification
- 1-23 6 NYCRR Subpart 231-10: Compliance Certification

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- 1-24 6 NYCRR 231-11.1: Compliance Certification
- 1-25 6 NYCRR 231-11.1: Compliance Certification
- 1-26 6 NYCRR 231-11.1: Compliance Certification
- 1-27 6 NYCRR Subpart 231-12: Compliance Certification

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- 1-28 6 NYCRR 227-1.3: Compliance Certification
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- 1-31 40CFR 60.44b, NSPS Subpart Db: Compliance Certification
- 1-32 40CFR 60.46b, NSPS Subpart Db: Compliance Certification
- 1-33 40CFR 60.48b, NSPS Subpart Db: Compliance Certification
- 1-34 40CFR 60.49b, NSPS Subpart Db: Compliance Certification
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- 1-38 40CFR 60.49b(o), NSPS Subpart Db: Records Retention
- 1-39 40CFR 60.49b(v), NSPS Subpart Db: Reporting and Recordkeeping -
Electronic report submittal
- 1-40 40CFR 60.49b(w), NSPS Subpart Db: Reporting Period
- 1-41 40CFR 63.7500, Subpart DDDDD: Compliance Certification
- 1-42 40CFR 63.7515(d), Subpart DDDDD: Compliance Certification
- 1-43 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification
- 1-44 40CFR 63.7545(c), Subpart DDDDD: New source notification
- 1-45 40CFR 63.7550(c), Subpart DDDDD: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 41 ECL 19-0301: Contaminant List
- 1-46 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities



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: Emergency Defense - 6 NYCRR 201-1.5

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

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

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item B: Public Access to Recordkeeping for 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 C: 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 D: 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 E: 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 F: 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 G: 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 H: 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 I: 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 J: 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 K: 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 L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

**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 11/20/2012 and 11/19/2017

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 1-1: Fees
Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-1.1:

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 1-2: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 09/08/2015 and 11/19/2017

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



Item 1-2.1:

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 1-3: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 09/08/2015 and 11/19/2017**

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

Item 1-3.1:

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 1-4: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017**

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

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-5: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-5.2:

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; 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.

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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 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
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 1/30/2013.
Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

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:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 7: Recordkeeping requirements
Effective between the dates of 11/20/2012 and 11/19/2017**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

(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 8: Open Fires - Prohibitions
Effective between the dates of 11/20/2012 and 11/19/2017**

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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 8.2

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 9: Maintenance of Equipment
Effective between the dates of 11/20/2012 and 11/19/2017**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 9.1:

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 1-6: Recycling and Salvage
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 201-1.7

Replaces Condition(s) 10

Item 1-6.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 1-7: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/08/2015 and 11/19/2017

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

Replaces Condition(s) 12

Item 1-7.1:

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 1-8: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/08/2015 and 11/19/2017

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

Replaces Condition(s) 13

Item 1-8.1:

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 1-9: Requirement to Provide Information
Effective between the dates of 09/08/2015 and 11/19/2017

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



Item 1-9.1:

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 1-10: Right to Inspect

Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-10.1:

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 1-11: Off Permit Changes

Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-11.1:

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.

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(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 11/20/2012 and 11/19/2017

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 11/20/2012 and 11/19/2017

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 11/20/2012 and 11/19/2017

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.

Condition 21: Emission Unit Definition

Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 1):

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

Emission Unit: M-BC001

Emission Unit Description:

Emission Unit M-BC001 includes a pulverized coal dry bottom boiler producing steam for brine evaporation, salt drying, building heat and one steam driven electrical generator generating electricity for internal use only. The boiler has an electrostatic precipitator to control particulate emissions. The emission points include a brick chimney (EP0001) and a fly ash accumulation silo (EP00031).

The coal boiler and associated source equipment are planned for removal upon installation of the new natural gas boiler. The permanent shutdown of this source must occur no later than January 30, 2016.

Building(s): 1

Item 21.2(From Mod 1):

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

Emission Unit: M-BG002

Emission Unit Description:

Emission Unit M-BG002 includes a natural gas fired boiler that produces steam for building heat, salt production and drying. As per 6NYCRR Part 227-2, the 92.5 mm Btu/hr boiler is classified as a mid-size boiler.

The 92.5 MMBtu/hr Cleaver Brooks Model DL-94S natural gas boiler was permanently shut down prior to July 1, 2015.

Building(s): 1

Item 21.3(From Mod 1):

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

Emission Unit: M-BG003

Emission Unit Description:

Emission Unit M-BG003 includes a new natural gas 148



MMBtu/hr steam boiler and eight (8) small direct fired building heaters.

The installation of this emission unit is expected to begin in September, 2015. This emission unit replaces the existing 138 MMBtu/hr coal boiler and the existing 92.5 MMBtu/hr natural gas boiler.

Building(s): 1

Item 21.4(From Mod 1):

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

Emission Unit: M-BR004

Emission Unit Description:

Emission Unit M-BR004 includes bulk loading of salt (NaCl) into rail cars.

Building(s): 12
33

Item 21.5(From Mod 1):

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

Emission Unit: M-ML005

Emission Unit Description:

Emission unit M-ML005 includes the bulk storage, screening, blocking, packaging, and bulk truck loading of salt (NaCl) products.

Building(s): 36
7
8

Item 21.6(From Mod 1):

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

Emission Unit: M-PH006

Emission Unit Description:

Emission Unit M-PH006 includes wet dust collectors used in capturing salt (NaCl) dust from screw conveyors, belt conveyors, bucket elevators, screeners, silos, and rotary conditioner.

Building(s): 32
34C

Item 21.7(From Mod 1):

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

Emission Unit: M-PT003

Emission Unit Description:

Emission Unit M-PT003 includes the production and packaging of briquetted salt (NaCl) as a water conditioning recharge product. The system includes briquetting presses, screw conveyors, bucket elevators, screeners, packaging equipment, and dust collector.



Building(s): 33

Condition 1-12: Progress Reports Due Semiannually
Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-12.1:

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 24: Air pollution prohibited
Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:

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 1-13: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 1-13.1:

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

Emission Unit: M-BR004
Process: 007

Emission Unit: M-ML005
Process: 008

Emission Unit: M-PH006
Process: 010



Emission Unit: M-PT003
Process: 006

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

Item 1-13.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPACITY LIMIT
SALT PRODUCTION SOURCES

(1) 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 for the emission of uncombined water.

(2) Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions whenever a process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

(3) Records of the visible emission survey shall be maintained and be made available upon request.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-14: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 1-14.1:

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

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Emission Unit: M-BR004
Process: 007

Emission Unit: M-ML005
Process: 008

Emission Unit: M-PH006
Process: 010

Emission Unit: M-PT003
Process: 006

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

Item 1-14.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

PARTICULATE EMISSION LIMIT
SALT PRODUCTION SOURCES

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. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

Parameter Monitored: PARTICULATES
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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:40 CFR Part 64

Item 27.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: M-BR004 Process: 007	Emission Source: BRC07
Emission Unit: M-ML005 Process: 008	Emission Source: MLC08
Emission Unit: M-ML005 Process: 008	Emission Source: MLC10
Emission Unit: M-ML005 Process: 008	Emission Source: MLC11
Emission Unit: M-PH006 Process: 010	Emission Source: WCC13
Emission Unit: M-PH006 Process: 010	Emission Source: WCC14
Emission Unit: M-PH006 Process: 010	Emission Source: WCC15
Emission Unit: M-PH006 Process: 010	Emission Source: WCC16
Emission Unit: M-PT003 Process: 006	Emission Source: PTC06

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

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

CAM Description:

The particulate sources from the above listed salt production equipment are subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) based on the following criteria:

1. Air Pollutant: Particulate Matter
2. Regulation: 6NYCRR Part 212.4(c)
3. Emission Limit: 0.05 grains/dscf
4. Control equipment is used to achieve compliance with the emission standard.
5. Pre-control emissions are greater than 100 tons per year (tpy) particulates. Emissions after controls are less than 100 tpy.

CAM Program:



The CAM Program shall follow the Approval of Monitoring, Operation of Approved Monitoring, and Quality Improvement Plan (QIP) Requirements specified in 40CFR64.6, 64.7, and 64.8, respectively.

INDICATOR #1: DAILY OPACITY SURVEY
Measurement Approach:

A daily survey of visible emissions from each above identified source shall be completed whenever a process is in normal operation. The purpose of the daily opacity survey is to detect sudden changes in the operation of the particulate control devices.

Visible emission observations shall be performed, as best as possible, at a location to obtain the proper sun angle, background, and line of sight. The observer must be trained and knowledgeable regarding the effects on the visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor).

Indicator Range:

The indicator range is defined as the presence or non-presence of visible emissions, excluding water vapor. The indicator range does not require the determination of opacity levels.

Excursions:

An excursion is defined as any level of visible emissions, excluding water vapor. Upon detecting an excursion, you shall inspect the source and restore operation of the emission unit (including the control device and associated capture system) to its normal operation as expeditiously as practicable.

Data Collection:

Records shall be maintained to include: (1) a check list of whether visible emissions were observed or not, (2) the date and time of the visible emission observation, (3) identification of any excursions, and (3) the corrective action taken (if any). The records shall be kept on-site and be made available to the Department upon request.

Quality Improvement Plan (QIP):

For each individual source, a QIP shall be developed and implemented when visible emissions are recorded on more than 18 days during any consecutive 12 month period. The Department shall be notified within 10 business days if visible emissions are recorded on more than 18 days during



any consecutive 12 month period.

INDICATOR #2 : WEEKLY DIFFERENTIAL PRESSURE MEASUREMENTS

Measurement Approach:

Weekly differential pressure measurements of the below identified control equipment shall be completed whenever a process is in normal operation. The purpose of the weekly differential pressure measurements is to detect changes in the long term performance of the control device such as blinding of the fabric of a baghouse collector.

Differential pressure shall be measured between the inlet and outlet to the control device. The minimum accuracy of the measurement instrument shall be +/- 2% over the full scale. The differential pressure transducer shall be calibrated annually.

Indicator Range:

The differential pressure ranges listed below shall be used as the indicator ranges.

Source ID	Description	Pressure (inches of water)
BRC07	BACT ME009B Horizontal Gas Scrubber (B33-3)	0.5 - 6.0
MLC08	Sly 90 EE Type 360 (B36-3) baghouse	1.0 - 7.0
MLC10	Sly 45 Type EE-360 (B8-4) Baghouse	0.2 - 5.0
MLC11	Sly 62 Type EE 360 (B36-6N/B36-6S)	0.2 - 4.0
WCC13	Ducon Multivane 42LIV East Wet Collector	2.0 - 8.5
WCC14	Morton Spray Tower East	2.0 - 8.0
WCC15	Ducon Multivane 42LIV West	2.0 - 8.0
WCC16	Morton Spray Tower West	2.0 - 8.0
PTC06	Multiscrub H26 Wet Venturi	4.5 - 10.5

Excursions:

Excursions shall be considered any pressure measurement recorded outside the indicator range. Upon detecting an excursion, you shall restore operation of the emission unit (including the control device and associated capture system) to its normal operation as expeditiously as practicable. Excursions will trigger an inspection of the source and corrective action (if appropriate).

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Data Collection:

Records shall be maintained to include: (1) a log of the weekly pressure drop measurements with reference to the approved differential pressure indicator range, (2) identification of any excursions, (3) corrective action taken (if any), and (4) the cause of any pressure measurements outside the indicator range (if known). The records shall be kept on-site and be made available to the Department upon request.

Quality Improvement Plan (QIP):

For each individual source, a QIP shall be developed and implemented when differential pressure drop excursions are recorded on more than 3 weeks during any 52 week period. The Department shall be notified within 10 business days if differential pressure drop excursions are recorded on more than 3 weeks during any 52 week 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 1/30/2013.

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

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

**Condition 28: Emission Point Definition By Emission Unit
Effective between the dates of 11/20/2012 and 11/19/2017**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1(From Mod 1):

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

Emission Unit: M-BG003

Emission Point: 00028

Height (ft.): 70

Diameter (in.): 48

NYTMN (km.): 4726.8

NYTME (km.): 739.3

Building: 1

Item 28.2(From Mod 0):

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

Emission Unit: M-BC001

Emission Point: 00001

Height (ft.): 125

Diameter (in.): 102



NYTMN (km.): 4727.323 NYTME (km.): 247.534 Building: 1
Emission Point: 00031
Height (ft.): 35 Diameter (in.): 4
NYTMN (km.): 4727.295 NYTME (km.): 247.543 Building: 3

Item 28.3(From Mod 0):

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

Emission Unit: M-BR004
Emission Point: 00025
Height (ft.): 4 Diameter (in.): 24
NYTMN (km.): 4727.352 NYTME (km.): 247.605 Building: 33

Item 28.4(From Mod 0):

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

Emission Unit: M-ML005
Emission Point: 00002
Height (ft.): 60 Diameter (in.): 36
NYTMN (km.): 4727.42 NYTME (km.): 247.529 Building: 36
Emission Point: 00008
Height (ft.): 56 Diameter (in.): 21
NYTMN (km.): 4727.416 NYTME (km.): 247.624 Building: 8
Emission Point: 00009
Height (ft.): 54 Length (in.): 24 Width (in.): 36
NYTMN (km.): 4727.31 NYTME (km.): 247.557 Building: 36

Item 28.5(From Mod 0):

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

Emission Unit: M-PH006
Emission Point: 00003
Height (ft.): 27 Length (in.): 12 Width (in.): 36
NYTMN (km.): 4727.391 NYTME (km.): 247.622 Building: 34C
Emission Point: 00005
Height (ft.): 30 Diameter (in.): 24
NYTMN (km.): 4727.397 NYTME (km.): 247.64 Building: 32
Emission Point: 00010
Height (ft.): 27 Length (in.): 12 Width (in.): 36
NYTMN (km.): 4727.407 NYTME (km.): 247.618 Building: 34C
Emission Point: 00014
Height (ft.): 69 Diameter (in.): 18
NYTMN (km.): 4727.366 NYTME (km.): 247.579 Building: 32

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Item 28.6(From Mod 0):

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

Emission Unit: M-PT003

Emission Point: 00026

Height (ft.): 59

Diameter (in.): 34

NYTMN (km.): 4727.369 NYTME (km.): 247.596 Building: 33

Condition 29: Process Definition By Emission Unit

Effective between the dates of 11/20/2012 and 11/19/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 29.1(From Mod 1):

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

Emission Unit: M-BC001

Process: 001

Source Classification Code: 1-02-002-02

Process End Date: 1/30/2016

Process Description:

Process 001 includes the combustion of bituminous coal in a pulverized dry bottom boiler for steam generation. This process will be discontinued upon shutdown of the coal boiler.

Emission Source/Control: B0001 - Combustion Removal Date: 01/31/2016

Design Capacity: 138 million Btu per hour

Emission Source/Control: B0003 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Item 29.2(From Mod 1):

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

Emission Unit: M-BC001

Process: 002

Source Classification Code: 1-02-006-01

Process End Date: 1/30/2016

Process Description:

Process 002 includes the natural gas ignitors on the coal boiler. This process will be discontinued upon shutdown of the coal boiler.

Emission Source/Control: B0001 - Combustion Removal Date: 01/31/2016

Design Capacity: 138 million Btu per hour

Item 29.3(From Mod 1):

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

Emission Unit: M-BC001

Process: 004

Source Classification Code: 1-01-002-02

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Process End Date: 1/30/2016

Process Description:

Process 004 includes the pneumatic conveyance of flyash from the coal fired boiler and electrostatic precipitator to a storage silo through two cyclones in series and then through a Mikropul baghouse. The baghouse exhausts through the steam injector from the boiler to EP00031. The storage silo has a filtered vent. This process will be discontinued upon shutdown of the coal boiler.

Emission Source/Control: B0001 - Combustion Removal Date: 01/31/2016
Design Capacity: 138 million Btu per hour

Emission Source/Control: B0004 - Control Removal Date: 01/30/2016
Control Type: FABRIC FILTER

Item 29.4(From Mod 1):

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

Emission Unit: M-BG003

Process: BLR

Source Classification Code: 1-03-006-01

Process Description:

Process BLR includes a new 148 MMBtu/hr natural gas fired boiler - Cleaver Brooks Model NB-401D-90 industrial watertube boiler. The boiler utilizes low NOx burners, flue gas recirculation and an oxygen trim system.

Emission Source/Control: G0006 - Combustion
Design Capacity: 148 million Btu per hour

Item 29.5(From Mod 1):

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

Emission Unit: M-BG003

Process: HTR

Source Classification Code: 1-05-001-06

Process Description:

Process HTR includes eight (8) new direct fired building heaters.

Emission Source/Control: HV001 - Combustion
Design Capacity: 1.9 million Btu per hour

Emission Source/Control: HV002 - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: HV003 - Combustion
Design Capacity: 4.5 million Btu per hour

Emission Source/Control: HV004 - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: HV005 - Combustion



Design Capacity: 1.9 million Btu per hour

Emission Source/Control: HV006 - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: HV007 - Combustion

Emission Source/Control: HV008 - Combustion
Design Capacity: 1.5 million Btu per hour

Item 29.6(From Mod 1):

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

Emission Unit: M-BR004
Process: 007 Source Classification Code: 3-05-021-03
Process Description:

Process 007 includes the collection of salt (NaCl) dust from bulk railcar loading. The salt is removed from the air stream by a wet venturi scrubber. The effluent is recycled in the process system. Clean air is exhausted to the atmosphere.

Emission Source/Control: BRC07 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BR007 - Process

Item 29.7(From Mod 1):

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

Emission Unit: M-ML005
Process: 008 Source Classification Code: 3-05-021-01
Process Description:

Process 008 is the collection of salt (NaCl) dust from the salt handling equipment including screw conveyors, belt conveyors, bucket elevators, screeners, block press, and packaging equipment. The salt is removed from the air stream in a dry bag house. The salt is collected, dissolved, and returned to the manufacturing process. The clean air is exhausted to the atmosphere.

Emission Source/Control: MLC08 - Control
Control Type: FABRIC FILTER

Emission Source/Control: MLC10 - Control
Control Type: FABRIC FILTER

Emission Source/Control: MLC11 - Control
Control Type: FABRIC FILTER

Emission Source/Control: ML008 - Process



Emission Source/Control: ML010 - Process

Emission Source/Control: ML011 - Process

Item 29.8(From Mod 1):

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

Emission Unit: M-PH006

Process: 010

Source Classification Code: 3-05-021-01

Process Description:

Process 010 is the collection of salt (NaCl) dust from screw conveyors, scalping screens, belt conveyors, bucket elevators, storage silos, and rotary conditioner (unfired rotary kiln, ambient air). The effluent is recycled in the process system. The clean air is exhausted to the atmosphere.

Emission Source/Control: WCC13 - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: WCC14 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: WCC15 - Control

Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: WCC16 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: WC013 - Process

Emission Source/Control: WC014 - Process

Emission Source/Control: WC015 - Process

Emission Source/Control: WC016 - Process

Item 29.9(From Mod 1):

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

Emission Unit: M-PT003

Process: 006

Source Classification Code: 3-05-021-01

Process Description:

Process 006 is the collection of salt (NaCl) dust collected from pellet production equipment including: briquetters, screw conveyors, screeners, bucket elevators, bins, and packaging equipment. The salt is removed from the air stream by a wet venturi scrubber. The effluent is recycled in the process system. Clean air is exhausted to the atmosphere.

Emission Source/Control: PTC06 - Control



Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: PT006 - Process

Condition 1-15: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 227-2.5

Item 1-15.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Regulated Contaminant(s):

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

Item 1-15.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EXISTING COAL BOILER
NOx RACT COMPLIANCE SCHEDULE

(1) Morton Salt submitted a case-by-case NOx RACT proposal dated February 28, 2013 that included the evaluation of the following control technologies for technological and economic feasibility:

Low NOx Burners;
Selective Non-Catalytic Reduction;
Selective Catalytic reduction;
Overfire Air; and
Use of Existing Gas Igniters.

(2) The results of the case-by-case NOx RACT proposal indicated the control technologies are not technically or economically feasible for the coal boiler due to the small furnace dimensions and flue gas exit temperature. A NOx RACT emission limit of 0.50 lb/MMBtu and an annual tune-up requirement were proposed by Morton Salt.

(3) Following submittal of the 6NYCRR Part 227-2 NOx RACT proposal, the amendments to 40 CFR 63 subpart DDDDD became effective as of April 1, 2013. Morton Salt re-evaluated the compliance options for the existing coal boiler and determined the source would be shut down to comply with NOx RACT and 40 CFR 63 subpart DDDDD.

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(4) Morton Salt is unable to meet the NO_x RACT compliance date of July 1, 2015 for the existing coal boiler.

(5) As per Consent Order R9-20150615-38, between July 1, 2015 and January 30, 2016, the existing coal boiler must not exceed an emission rate of 0.5 lbs of NO_x/MMBtu.

(6) No later than January 30, 2016, the 138 MMBtu/hr Riley Stoker Corp Class BBY30WW coal fired boiler must be permanently shut down.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.5 pounds per million Btus
Reference Test Method: EPA 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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-16: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR Subpart 231-10

Item 1-16.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

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

Item 1-16.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EXISTING COAL BOILER SHUTDOWN
CREATION OF EMISSION REDUCTION CREDITS (ERCs)

(1) The existing 138 MMBtu/hr coal boiler will be shut down at a future date prior to January 31, 2016 following the installation of the new natural gas boiler.

(2) As specified in §231-10.3(b)(2)(i)(b), for a future



reduction of emissions, if the date of approval of the ERC is prior to the State or Federal Register publication date proposing RACT, then the applicant is eligible for the full amount of the reduction. Otherwise, the applicant is eligible only for the baseline actual emissions reflecting RACT. Since the approval of the future emission reductions will occur after the RACT publication date of November 27, 2009, the baseline actual emissions were estimated based on a NOx RACT emission rate of 0.2 lbs NOx/MMBtu rather than the permit limit of 0.5 lbs NOx/MMBtu.

(3) The ERCs created by the shutdown of the coal boiler are 111.9 tpy NOx minus 7.5 tpy used in the netting determination. Thus, the total quantity of ERCs remaining from the shutdown of the coal boiler are 104.4 tpy NOx.

(4) As specified in §231-10.3(b)(2)(iv)(b), for an emission source shutdown where the facility will continue to operate, the applicant must apply for and obtain a permit modification which reflects the permanent shutdown of the emission source through a permit condition prohibiting operation of the emission source.

(5) No later than January 30, 2016, Morton Salt shall permanently discontinue operation of the 138 MMBtu/hr Riley Stoker Class BBY30WW coal boiler. Morton Salt shall maintain records on-site demonstrating compliance with this requirement.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 104.4 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-17: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

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

Item 1-17.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BC001
Process: 001

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE



Item 1-17.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EXISTING COAL BOILER
§225-1.2 SULFUR-IN-FUEL LIMITATIONS

(1) Owners and/or operators of any stationary combustion installation that fires solid fuel are limited to the firing of solid fuel with a sulfur content of 2.5 lbs/mmBtu maximum, 1.9 lbs/mmBtu*** average, and 1.7 lbs/mmBtu**** annual average.

*** Averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive three-month period.

**** Annual averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive 12-month period.

(2) 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.

(3) This permit condition will no longer be applicable upon shutdown of the coal boiler.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

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 1-18: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

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

Replaces Condition(s) 35



Item 1-18.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001
Process: 001

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

Item 1-18.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EXISTING COAL BOILER
§227-1.3 OPACITY LIMITATIONS

- (1) No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.
- (2) The boiler stack opacity meter does not meet the criteria in 40 CFR 60, Appendix B, Performance Specification 1. Therefore, it is not used for compliance monitoring. However, the opacity meter will be used to monitor excess opacity events including: (1) meter readings of 20% or more for three consecutive minutes, and (2) meter readings greater than 40% for any time interval. If either of these events occur, then an EPA Method 9-like opacity observation shall be performed by a Morton Salt employee to determine compliance with the opacity limit. In the event the Method 9-like opacity observations indicate an instantaneous opacity of 20 % or more, a certified opacity observer will be called, as soon as possible and, if appropriate, an EPA Method 9 opacity observation will be performed to determine compliance with the opacity limit.
- (3) If an exceedance of the opacity limit is documented using EPA Method 9, then Morton Salt shall notify the Department within two business days after becoming aware of the exceedance.
- (4) Records shall be maintained to document each observed excess opacity event. The records shall include the initial meter readings that triggered the event, results of the Method 9-like observations, results of the EPA Method 9 observations, if applicable, the cause of the

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event, if known, and the corrective action taken, if any.

(5) The opacity meter must be properly calibrated and maintained in accordance with the manufacturer's minimum requirements for calibration and maintenance. As a minimum, the opacity meter must be calibrated once annually and have annual preventative maintenance. During calibration activities, the opacity meter readings will not be considered for determining opacity compliance.

(6) This permit condition will no longer be applicable upon shutdown of the coal boiler.

Definition: EPA Method 9-like Opacity Observation - an observation performed by an individual trained to conduct EPA Method 9 observations; however, the observer may or may not possess a Method 9 certification.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 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 1/30/2016.

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

Condition 1-19: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 63, Subpart DDDDD

Item 1-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Process: 001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 1-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXISTING COAL BOILER

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40 CFR 63 Subpart DDDDD
SHUTDOWN BY COMPLIANCE DATE

(1) As specified in Consent Order R9-20150615-38, Morton Salt has committed to shutting down the coal boiler before the compliance date of 40 CFR 63 Subpart DDDDD (5D).

(2) The facility must permanently shut down the coal boiler no later than January 30, 2016.

(3) Upon shut down of the coal boiler, the facility will be a minor source of HAP emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-20: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40 CFR Part 64

Replaces Condition(s) 37

Item 1-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001
Process: 001

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

Item 1-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXISTING COAL BOILER
CAM Description:

The particulate emissions from the 138 mmBtu/hr coal fired boiler are subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) based on the following criteria:

1. Air Pollutant: Particulate Matter
2. Regulation: 6NYCRR Part 227-1.2(a)(4)
3. Emission Limit: 0.5 lbs/mmBtu (RACT)
4. Control equipment, including an electrostatic precipitator (ESP) equipped with four fields, is used to achieve compliance with the emission standard.
5. Pre-control emissions are greater than 100 tons per



year (tpy) particulates. Emissions after controls are less than 100 tpy.

CAM Program:

The CAM Program shall follow the Approval of Monitoring, Operation of Approved Monitoring, and Quality Improvement Plan (QIP) Requirements specified in 40CFR64.6, 64.7, and 64.8, respectively.

INDICATOR: FOUR(4) HOUR BLOCK READING OF TOTAL POWER

Measurement Approach:

The minimum total power is used as the measurement approach. For the electrostatic precipitator (ESP), you must establish the minimum total power input as your operating limit during the required three-run performance test. The minimum total power will be determined as 90 percent of the lowest test-run average total power to the ESP measured during the most recent performance test.

During the November, 2008 performance test, the initial minimum total power input operating limit for the ESP was established at 15.7 kilowatts (kW).

The total power input shall be recorded from the operator's panel whenever the source is in normal operation (excluding startup and shutdown) at a rate of one reading per four (4) hour time block. The total power shall be based on the sum of the total voltage and secondary current for each pair of fields to the ESP.

Total power shall be measured after each transformer/rectifier set prior to the electrode. The minimum accuracy of the measurement instrument shall be +/- 2% over the full scale. The power and voltage shall be calibrated annually.

Indicator Range:

The minimum total power will be used as the indicator parameter.

Excursions:

If the ESP is operated at a total power less than the established minimum value, then it will be considered an excursion. Upon detecting an excursion, you shall restore operation of the emission unit (including the control device and associated capture system) to its normal operation as expeditiously as practicable. An excursion will trigger an investigation and corrective action, as appropriate.



Data Collection:

Records shall be maintained to include: (1) a log of the four (4) hour block total power measurements, (2) identification of any excursions, (3) corrective action taken (if any), (4) the cause of any measurements outside the indicator values (if known), and (5) each month the number of excursions shall be computed and included in the log. The records shall be kept on-site and be made available to the Department upon request.

Quality Improvement Plan (QIP):

A QIP shall be developed and implemented when total power four (4) hour block excursions are recorded more than 9 times over each monthly period. The Department shall be notified within 10 business days if more than 9 of the total power four (4) hour block measurements over any monthly period are less than the established minimum value.

Applicability:

This permit condition will no longer be applicable upon shutdown of the coal boiler.

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 1/30/2016.

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

Condition 1-21: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40 CFR Part 64

Replaces Condition(s) 38

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Process: 004

Emission Source: B0004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



EXISTING COAL BOILER
FLYASH SILO

CAM Description:

The Fly Ash silo dust collector is subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) based on the following criteria:

1. Air Pollutant: Particulate Matter
2. Regulation: 6NYCRR Part 212.4(c)
3. Emission Limit: 0.05 grains/dscf
4. Control equipment is used to achieve compliance with the emission standard.
5. Pre-control emissions are greater than 100 tons per year (tpy) particulates. Emissions after controls are less than 100 tpy.

CAM Program:

The CAM Program includes implementation of a Preventative Maintenance Plan as follows:

- (1) Morton Salt shall replace all bags in the fly ash system dust collector on an annual basis.
- (2) Morton Salt shall inspect all bag cages at the time of bag change out and replace those that are in need of change out.
- (3) Morton Salt indirectly monitors the systems integrity every time it transfers fly ash. The transfer system operates utilizing a pulsating vacuum. If the vacuum is reduced, the system becomes inoperable. A reduced vacuum occurs if a bag comes off the cage and the knife gate on the bottom of the tank does not close. If the vacuum is reduced, the operator is required to shut down the system to locate the problem and complete the necessary repairs before restarting the system.
- (4) This permit condition will no longer be applicable upon shutdown of the coal boiler.

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 1/30/2016.

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

Condition 1-22: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR 227-2.5 (d)

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Item 1-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG002

Regulated Contaminant(s):

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

Item 1-22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EXISTING GAS BOILER
NO_x RACT COMPLIANCE SCHEDULE

(1) Morton Salt submitted a case-by-case NO_x RACT proposal dated February 28, 2013 that included a restricted operating limit of 5,000 hours per year for the existing natural gas boiler.

(2) Following submittal of the 6NYCRR Part 227-2 NO_x RACT proposal, the amendments to 40 CFR 63 subpart DDDDD became effective as of April 1, 2013. Morton Salt re-evaluated the compliance options for the existing gas boiler and determined the source would be shut down to comply with NO_x RACT and 40 CFR 63 subpart DDDDD.

(3) As per Consent Order R9-20150615-38, the 92.5 MMBtu/hr Cleaver Brooks Model DL-94S natural gas boiler must be permanently shut down prior to the NO_x RACT compliance date of July 1, 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-23: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR Subpart 231-10

Item 1-23.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG002

Regulated Contaminant(s):

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



Item 1-23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EXISTING GAS BOILER SHUTDOWN
CREATION OF EMISSION REDUCTION CREDITS (ERCs)

- (1) The existing 92.5 MMBtu/hr natural gas boiler was permanently shut down prior to July 1, 2015.
- (2) As specified in §231-10.3(b)(2)(i)(a), since the emission reductions from the shutdown of the existing gas boiler occurred after the State or Federal Register RACT publication date of November 27, 2009, the baseline actual emissions were estimated based on a NO_x RACT emission rate of 0.05 lbs NO_x/MMBtu rather than the permit limit of 0.1 lbs NO_x/MMBtu.
- (3) The ERCs created by the shutdown of the existing gas boiler are 0.4 tpy NO_x.
- (4) As specified in §231-10.3(b)(2)(iv)(b), for an emission source shutdown where the facility will continue to operate, the applicant must apply for and obtain a permit modification which reflects the permanent shutdown of the emission source through a permit condition prohibiting operation of the emission source.
- (5) Morton Salt shall permanently discontinue operation of the 92.5 MMBtu/hr Cleaver Brooks Model DL-94S existing natural gas boiler. Morton Salt shall maintain records on-site demonstrating compliance with this requirement.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.4 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-24: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR 231-11.1

Item 1-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003



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

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NEW BOILER PROJECT MODIFICATION
NETTING ANALYSIS
SHAKEDOWN PERIOD

- (1) The new boiler project includes conversion of the main power plant from coal to natural gas. A new natural gas 148 MMBtu/hr steam boiler and eight (8) small direct fired building heaters will replace an existing 138 MMBtu/hr coal boiler and an existing 92.5 MMBtu/hr natural gas boiler.
- (2) In order to avoid NNSR/PSD review for the new natural gas (NG) boiler and 8 building heaters, in Step 2 of the major modification NNSR/PSD applicability test, Morton proposes to use 7.5 tons of the 111.9 tpy NO_x as actual emission reductions (ERC).
- (3) Decreases in actual emissions (or ERC) used in the netting must be contemporaneous with the particular modification.
- (4) Contemporaneous is defined as the period beginning five years prior to the scheduled commence construction date of the new or modified emission source, and ending with the scheduled commence operation date.
- (5) The commence operation or commencement of operation is defined as the date a proposed new or modified facility first emits or increases emissions of any regulated NSR contaminant; or the date on which the facility shakedown period ends for a proposed modified facility which utilizes future ERC for netting.
- (6) In order to ensure the 7.5 tons of NO_x, used by Morton as actual emission decreases (ERC), will occur within the contemporaneous period, the shutdown of the existing coal-fired boiler (EU: M-BC001) must occur prior to the commencement of operation date, as the term is defined in 6NYCRR 231-4.1(b) (12), of the new NG boiler and 8 new NG building heaters (EU: M-BG003). The facility must maintain and submit appropriate records to the NYSDEC for demonstrating compliance with this applicable



requirement.

(7) The facility is allowed a shakedown period that should meet all applicable provisions of 6NYCRR 231-3.8. The facility must maintain and submit appropriate records to the NYSDEC for demonstrating compliance with this applicable requirement.

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 1/30/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 1-25: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 231-11.1

Item 1-25.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

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

Item 1-25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NEW BOILER PROJECT MODIFICATION
NETTING ANALYSIS
PROJECT PTE EMISSION LIMIT OF 47.2 TPY NO_x

(1) The new boiler project includes conversion of the main power plant from coal to natural gas. A new natural gas 148 MMBtu/hr steam boiler and eight (8) small direct fired building heaters will replace an existing 138 MMBtu/hr coal boiler and an existing 92.5 MMBtu/hr natural gas boiler.

(2) The potential to emit (PTE) of combustion emissions from the new sources, alone, are as follows:

	PTE	THRESHOLD
NO _x	47.2 tpy	40 tpy
SO _x	0.4 tpy	40 tpy



PM	1.4 tpy	25 tpy
CO	61 tpy	100 tpy

(3) NOx is the only contaminant exceeding the significant project threshold from §231-13.3 Table 3. Since the project PTE of 47.2 tpy NOx is greater than the significant project threshold of 40 tpy, a netting analysis was completed to avoid a New Source Review (NSR) major modification.

(4) In accordance with §231-6.2, a net emission increase determination was completed based on the future shutdown of the existing coal and natural gas boilers. Emission Reduction Credits (ERCs) for the shutdown of these two sources were determined in accordance with §231-10.2 and quantified as the baseline actual emissions of the existing boilers. A baseline period of October 2012 through September 2014 was used. The baseline actual emissions were estimated based on NOx RACT emission levels of 0.2 lbs NOx/MMBtu for the coal boiler and 0.05 lbs NOx/MMBtu for the gas boiler. The ERCs created by the shutdown of the two boilers include 111.9 tpy NOx for the coal boiler and 0.4 tpy NOx from the gas boiler. The total amount of ERCs created is 112.3 tpy NOx.

(5) The results of the netting analysis demonstrate the proposed modification does not result in a significant net emission increase since the projected PTE of the new project (47.2 tpy NOx) is less than the baseline actual emissions of 112.3 tpy NOx.

(6) In accordance with §231-6.2(b)(1), a facility owner or operator which proposes a modification that does not result in a significant net emission increase, must apply for and obtain a permit which establishes an emission limit that equals the PTE of the modification of each nonattainment contaminant(s) which exceed(s) the applicable significant project threshold. As such, the total NOx emissions from Emission Unit M-BG003 including the 148 MMBtu/hr natural gas boiler and the eight (8) new direct fired building heaters shall not exceed 47.2 tpy NOx on a rolling 12-month basis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 47.2 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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



Condition 1-26: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 231-11.1

Item 1-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Regulated Contaminant(s):

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

Item 1-26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NEW BOILER PROJECT MODIFICATION
NETTING ANALYSIS
ERC USEAGE OF 7.5TPY NO_x

(1) The new boiler project includes conversion of the main power plant from coal to natural gas. A new natural gas 148 MMBtu/hr steam boiler and eight (8) small direct fired building heaters will replace an existing 138 MMBtu/hr coal boiler and an existing 92.5 MMBtu/hr natural gas boiler.

(2) The potential to emit (PTE) of combustion emissions from the new sources, alone, are as follows:

	PTE	THRESHOLD
NO _x	47.2 tpy	40 tpy
SO _x	0.4 tpy	40 tpy
PM	1.4 tpy	25 tpy
CO	61 tpy	100 tpy

(3) NO_x is the only contaminant exceeding the significant project threshold from §231-13.3 Table 3. Since the project PTE of 47.2 tpy NO_x is greater than the significant project threshold of 40 tpy, a netting analysis was completed to avoid a New Source Review (NSR) major modification. The results of the netting analysis demonstrate the proposed modification does not result in a significant net emission increase.

(4) In accordance with §231-6.2(b)(2), a facility owner or operator which proposes a modification that does not result in a significant net emission increase must apply

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for and obtain a permit which establishes the ERCs relied on for the net emission increase determination, if the ERCs are not already approved by the department.

(5) Morton Salt used 7.5 tpy NO_x ERCs to reduce the project PTE below the significant net emission increase of 40 tpy NO_x. The resulting total quantity of ERCs remaining after the netting analysis is 104.8 tpy NO_x.

(6) As specified in §231-10.1(h), an ERC, or portion thereof, which was used to avoid a determination of a significant net emission increase, cannot subsequently be used as an internal offset, emission offset, or in any subsequent netting determinations. Therefore, the 7.5 tpy NO_x ERCs used in the netting analysis cannot be used again.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.5 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

Condition 1-27: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR Subpart 231-12

Item 1-27.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Regulated Contaminant(s):

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

Item 1-27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW BOILER PROJECT MODIFICATION
AIR QUALITY MODELING ANALYSIS

(1) An air quality impact analysis was completed for this project. The purpose of the analysis was to determine the



potential impact of the new project relative to the 1-hour nitrogen dioxide (NO₂) National Ambient Air Quality Standard (NAAQS) and annual PSD increment consumption for NO₂.

(2) Maximum annual NO₂ impacts fell well below the significance level of 1 ug/m³.

(3) Cumulative modeling was required for the 1-hour averaging period to incorporate impacts from nearby facilities. The maximum impact of 33.7 ug/m³ fell well below the NAAQS of 188 ug/m³, even after adding the conservative background value from Amherst, NY of 100.2 ug/m³.

(4) No further reporting or monitoring is required for this condition.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-28: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 1-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Process: BLR

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW GAS BOILER

§227-1.3 Opacity

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

(2) The Department reserves the right to perform or

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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: UPON REQUEST BY REGULATORY AGENCY

Condition 1-29: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1) (ii)

Item 1-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Process: BLR

Regulated Contaminant(s):

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

Item 1-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
NO_x RACT EMISSION LIMIT

(1) The new large boiler will comply with the relevant presumptive RACT emission limit of 0.06 pounds NO_x per million Btu burning only natural gas. The NO_x limit will be achieved by the use of low NO_x burners, flue gas recirculation and an oxygen trim system.

(2) Compliance with the presumptive RACT emission limit will be demonstrated by the installation and operation of a NO_x CEMS that meets the requirements of 40 CFR 60.48b(b)(1) and 6 NYCRR 227-2.6(b).

Manufacturer Name/Model Number: CEMS NO_x Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.06 pounds per million Btus

Reference Test Method: CEMS/40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2015.

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



Condition 1-30: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 6 NYCRR 227-2.6 (b)

Item 1-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

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

Item 1-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
CEMS REQUIREMENTS

(1) The owner or operator of an emission source that monitors NOx emissions with a CEMS or equivalent monitoring system must submit for department approval:

(i) a CEMS plan as part of its application for a permit or permit modification if a CEMS has already been installed, or if a CEMS is in the process of being procured or installed;

(ii) a CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed plan for a monitoring system that is equivalent to a CEMS.

(2) The owner or operator of an emission source that monitors NOx emissions with a CEMS must submit for department approval a CEMS certification protocol at least 60 days prior to compliance testing. The certification protocol must include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

(3) The owner or operator of an emission source that



monitors NO_x emissions with a CEMS must install, calibrate, maintain, and operate a CEMS for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (2) of this subdivision, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the relevant NO_x emission limit under section 227-2.4 of this Subpart:

(i) With the exception of emission sources subject to paragraph (a)(4) of this section, the owner or operator of an emission source must:

(a) calculate all 24-hour daily heat input-weighted average NO_x emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO_x per million Btu;

(b) demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily heat input-weighted average NO_x emission rate. Facilities that are subject to 40 CFR part 75 will calculate their NO_x emission rate using part 75 monitoring requirements. Facilities that are not subject to 40 CFR part 75 may calculate their NO_x emission rate using either 40 CFR part 60, appendix A, method 19 or 40 CFR part 75. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1st to April 30th for emission sources other than combustion turbines; and

(c) determine the 24-hour daily heat input-weighted average NO_x emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 AM to 12:00 AM the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one-hour period starting with the period 12:00 AM to 1:00 AM and continuing through until the last period 11:00 PM to 12:00 AM; or, starting with the period 12:00 PM to 1:00 PM and continuing through the last period 11:00 AM to 12:00 PM. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO_x emission rate.

(ii) The owner or operator of an emission source subject to paragraph (a)(4) of this section must calculate:



(a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen; and

(b) block hourly arithmetic average emission rates for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on.

(iii) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iv) All valid CEMS data must be used in calculating emission rates even if the minimum data requirements of subparagraph (iii) of this paragraph are not met.

(v) The procedures under 40 CFR part 60, appendix B, Performance Specification 2; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(vi) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

(vii) When NO_x emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO_x emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

(4) CEMS recordkeeping and reporting requirements.

(i) The owner or operator of an emission source must notify the department of the planned initial start-up date of any new CEMS.

(ii) Protocols, reports, summaries, compliance plans and schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:

(a) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233; and



(b) one copy to the regional air pollution control engineer at the appropriate regional office of the department.

(iii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

(iv) Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO_x emission rate, the allowable NO_x emission rate, and the summation of the emission sources included in a system averaging plan). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NO_x emission rates as specified under paragraph (3) of this subdivision. (With the exception of emission sources subject to paragraph (a)(4) of this Section, emission sources are to record and tabulate block hourly average emission rates, but do not need to included the block hourly average emission rates in the quarterly summaries);

(b) identification of the operating hours when NO_x emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and

(c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

(v) The owner or operator of an emission source must submit the initial compliance test data, the performance evaluation of the CEMS found in 40 CFR part 60, appendix B, and the maximum heat input capacity.

Manufacturer Name/Model Number: CEMS NO_x Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.06 pounds per million Btus
Reference Test Method: CEMS/40 CFR 60



Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2015.
 Subsequent reports are due every 3 calendar month(s).

Condition 1-31: Compliance Certification
 Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 40CFR 60.44b, NSPS Subpart Db

Item 1-31.1:
 The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
 Process: BLR

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

Item 1-31.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
 §60.44b - STANDARD FOR NITROGEN OXIDES
 (NO_x)

§60.44b(a): No owner or operator of an affected facility that is subject to the provisions of this section and 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 the following emission limits:

Fuel type	NO _x emission limits (expressed as NO ₂) heat	
input	ng/J	
lb/MMBtu		
Natural gas		
(i) Low heat release rate	43	0.10
(ii) High heat release rate	86	
0.20		

§60.44b(h): The NO_x standards under this section apply at all times including periods of startup, shutdown, or malfunction.

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§60.44b(i): Compliance with the emission limits under this section is determined on a 30-day rolling average basis.

Manufacturer Name/Model Number: CEMS NOx Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: CEMS/40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 1-32: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 1-32.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

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

Item 1-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§60.46b - COMPLIANCE AND PERFORMANCE TEST
METHODS AND PROCEDURES FOR NITROGEN OXIDES
(NOx)

§60.46b(a): The NOx emission standards under §60.44b apply at all times.

§60.46b(c): Compliance with the NOx emission standards under §60.44b shall be determined through performance testing under paragraph (e).

§60.46b(e)(1)&(4): To determine compliance with the emission limits for NOx required under §60.44b, the owner or operator of an affected facility shall conduct the performance test as required under §60.8 using the



continuous system for monitoring NO_x under §60.48(b).

(1) For the initial compliance test, NO_x from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_x emission standards under §60.44b. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period.

(4) Following the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, the owner or operator of an affected facility that has a heat input capacity of 73 MW (250 MMBtu/hr) or less and that combusts natural gas, distillate oil, gasified coal, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the NO_x standards in §60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, NO_x emissions data collected pursuant to §60.48b(g)(1) or §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 NO_x 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 NO_x emission data for the preceding 30 steam generating unit operating days.

Manufacturer Name/Model Number: CEMS NO_x Analyzer
Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2015.
Subsequent reports are due every 3 calendar month(s).

Condition 1-33: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 60.48b, NSPS Subpart Db

Item 1-33.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

Regulated Contaminant(s):



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

Item 1-33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER

§60.48b EMISSION MONITORING FOR NITROGEN OXIDES (NO_x)

§60.48b(b)(1): Install, calibrate, maintain, and operate CEMS for measuring NO_x and O₂ (or CO₂) emissions discharged to the atmosphere, and shall record the output of the system.

§60.48b(c): The CEMS shall be operated and data recorded during all periods of operation of the affected facility except for CEMS breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

§60.48b(d): The 1-hour average NO_x emission rates measured by the continuous NO_x monitor shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates under §60.44b. The 1-hour averages shall be calculated using the data points required under §60.13(h)(2).

§60.48b(e): The procedures under §60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

§60.48b(e)(2)(i): The NO_x span values for natural gas is 500 ppm.

§60.48b(f): When NO_x emission data are not obtained because of CEMS breakdowns, repairs, calibration checks and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7 of appendix A of this part, Method 7A of appendix A of this part, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

§60.48b(g): The owner or operator of an affected facility that has a heat input capacity of 73 MW (250 MMBtu/hr) or less, and that has an annual capacity factor for residual oil having a nitrogen content of 0.30 weight percent or

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less, natural gas, distillate oil, gasified coal, or any mixture of these fuels, greater than 10 percent (0.10) shall:

- (1) Comply with the provisions of paragraphs (b), (c), (d), (e)(2), (e)(3), and (f) of this section; or
- (2) Monitor steam generating unit operating conditions and predict NOX emission rates as specified in a plan submitted pursuant to §60.49b(c).

Manufacturer Name/Model Number: CEMS NOx Analyzer

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2015.

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

Condition 1-34: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 60.49b, NSPS Subpart Db

Item 1-34.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Process: BLR

Regulated Contaminant(s):

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

Item 1-34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§60.49b REPORTING AND RECORDKEEPING
REQUIREMENTS

§60.49b(a): The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by §60.7. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility;
- (3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired;



§60.49b(b): The owner or operator of each affected facility subject to the NO_x emission limits under §§60.44b shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B of this part.

§60.49b(c): The owner or operator of each affected facility subject to the NO_x standard in §60.44b who seeks to demonstrate compliance with those standards through the monitoring of steam generating unit operating conditions in the provisions of §60.48b(g)(2) shall submit to the Administrator for approval a plan that identifies the operating conditions to be monitored in §60.48b(g)(2) and the records to be maintained in §60.49b(g). This plan shall be submitted to the Administrator for approval within 360 days of the initial startup of the affected facility. 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, identified in the plan. The plan shall:

- (1) Identify the specific operating conditions to be monitored and the relationship between these operating conditions and NO_x emission rates (i.e., ng/J or lbs/MMBtu 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 O₂ level);
- (2) Include the data and information that the owner or operator used to identify the relationship between NO_x emission rates and these operating conditions; and
- (3) Identify how these operating conditions, including steam generating unit load, will be monitored under §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 §60.49b(g).

§60.49b(d)(1): The owner or operator of an affected facility 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 the reporting period. 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-35: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 60.49b(g), NSPS Subpart Db

Item 1-35.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

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

Item 1-35.2:

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: 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 1-36: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db

Item 1-36.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

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

Item 1-36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§60.49b REPORTING AND RECORDKEEPING
REQUIREMENTS

§60.49b(h)(2)(ii): The owner or operator is required to submit excess emission reports for any excess emissions that 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.

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§60.49b(h)(4): For purposes of §60.48b(g)(1), excess emissions are defined as any calculated 30-day rolling average NOX emission rate, as determined under §60.46b(e), that exceeds the applicable emission limits in §60.44b.

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

Condition 1-37: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 60.49b(i), NSPS Subpart Db

Item 1-37.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

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

Item 1-37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual 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 1/30/2016.

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

Condition 1-38: Records Retention
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 60.49b(o), NSPS Subpart Db

Item 1-38.1:
This Condition applies to Emission Unit: M-BG003

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Facility DEC ID: 9563200007



Process: BLR

Item 1-38.2:

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 1-39: Reporting and Recordkeeping - Electronic report submittal
Effective between the dates of 09/08/2015 and 11/19/2017**

Applicable Federal Requirement:40CFR 60.49b(v), NSPS Subpart Db

Item 1-39.1:

This Condition applies to Emission Unit: M-BG003
Process: BLR

Item 1-39.2:

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 1-40: Reporting Period
Effective between the dates of 09/08/2015 and 11/19/2017**

Applicable Federal Requirement:40CFR 60.49b(w), NSPS Subpart Db

Item 1-40.1:

This Condition applies to Emission Unit: M-BG003
Process: BLR

Item 1-40.2:

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 1-41: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017**

Applicable Federal Requirement:40CFR 63.7500, Subpart DDDDD

Item 1-41.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

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Process: BLR

Item 1-41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§ 63.7500 WORK PRACTICE STANDARDS

§63.7500(a)(1): You must meet the work practice standard in Table 3, Item 1, as follows:

For a new boiler with a continuous oxygen trim system that maintains an optimum air to fuel ratio and is designed to burn gas 1, you must conduct a tune-up of the boiler every 5 years as specified in § 63.7540.

§63.7500(a)(3): At all times, you must operate and maintain any affected source (as defined in § 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

§63.7500(f): These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with Table 3 to this subpart.

Monitoring Frequency: Once every five years

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-42: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 63.7515(d), Subpart DDDDD

Item 1-42.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Process: BLR

Item 1-42.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§ 63.7515(d) 5 YEAR TUNE-UP

You must conduct a 5-year performance tune-up according to § 63.7540(a)(12). Each 5-year tune-up specified in § 63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new affected source (as defined in § 63.7490), the first 5-year tune-up must be no later than 61 months after the initial startup of the new boiler.

Monitoring Frequency: Once every five years
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-43: Compliance Certification
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 1-43.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-BG003
Process: BLR

Item 1-43.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§ 63.7540 CONTINUOUS COMPLIANCE WITH WORK PRACTICE STANDARDS

§63.7540(a)(12): If your boiler has a continuous oxygen trim system that maintains an optimum air to fuel ratio and the unit is designed to burn gas 1, you must conduct a tune-up of the boiler every 5 years as specified in paragraphs (i) through (vi) to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (i) until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit



shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may

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estimate the fuel used by each unit.

Monitoring Frequency: Once every five years

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-44: New source notification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 63.7545(c), Subpart DDDDD

Item 1-44.1:

This Condition applies to Emission Unit: M-BG003

Process: BLR

Item 1-44.2:

As specified in 40 CFR 63.9(b)(4) and (b)(5), owners and operators that startup a new or reconstructed affected source on or after January 31, 2013 must submit an Initial Notification not later than 15 days after the actual date of startup of the affected source.

Condition 1-45: Compliance Certification

Effective between the dates of 09/08/2015 and 11/19/2017

Applicable Federal Requirement:40CFR 63.7550(c), Subpart DDDDD

Item 1-45.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-BG003

Process: BLR

Item 1-45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NEW 148 MMBTU/HR GAS BOILER
§ 63.7550 REPORTING

§ 63.7550(b): For units that are subject only to a requirement to conduct a 5-year tune-up according to § 63.7540(a)(12) and not subject to emission limits or operating limits, you may submit only a 5-year compliance report as specified in paragraphs (1) through (4), instead



of a semi-annual compliance report.

- (1) The first compliance report must cover the 5 year period after the compliance date that is specified for your source in § 63.7495.
- (2) The first 5-year compliance report must be postmarked or submitted no later than January 31.
- (3) 5-year compliance reports must cover the 5-year periods from January 1 to December 31.
- (4) Each subsequent 5-year compliance reports must be postmarked or submitted no later than January 31.

§ 63.7550(c): A compliance report must contain the following information:

- (i) Company and Facility name and address.
- (ii) Process unit information, emissions limitations, and operating parameter limitations.
- (iii) Date of report and beginning and ending dates of the reporting period.
- (iv) The total operating time during the reporting period.
- (v) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct a 5-year tune-up according to § 63.7540(a)(12). Include the date of the most recent burner inspection if it was not done on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

Monitoring Frequency: Once every five years

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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: 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 41: Contaminant List
Effective between the dates of 11/20/2012 and 11/19/2017

Applicable State Requirement:ECL 19-0301

Item 41.1:

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: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY100-00-0
Name: TOTAL HAP

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

Condition 1-46: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/08/2015 and 11/19/2017

Applicable State Requirement:6 NYCRR 201-1.4

Replaces Condition(s) 42

Item 1-46.1:

(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.



