

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9563200007**



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 9-5632-00007/00039  
Effective Date: 02/20/2007 Expiration Date: 02/19/2012

Permit Issued To: MORTON INTERNATIONAL INC  
123 NORTH WACKER DRIVE  
CHICAGO, IL 60606-1743

Contact: JAY G TANGEMAN  
MORTON SALT  
PO BOX 342  
SILVER SPRINGS, NY 14550-0342  
(518) 493-2511

Facility: MORTON SALT DIV  
45 RIBAUD AVE EAST  
SILVER SPRINGS, NY 14550

**Description:**

Morton International, Inc. owns and operates the Morton Salt Division located at 45 Ribaud Avenue, Silver Springs, New York. The facility produces, packages, and ships evaporated sodium chloride (NaCl) salt products. The salt brine is obtained by hydraulic mining. The brine is evaporated to produce a slurry which is dewatered and dried. Evaporation is accomplished using steam which is mostly produced by a coal fired boiler and a natural gas fired boiler. The granular salt is screened and may receive additives. Some salt is compacted for agricultural or water conditioning. Salt is packaged for consumer's use and is packaged or bulk loaded for industrial use, mainly in the food processing and chemical processing industries.

**PROJECT DESCRIPTION:**

The current permit action incorporates three permit changes including: (1) the Title V permit renewal application, (2) the Compliance Assurance Monitoring (CAM) Plan, and (3) a major permit modification application.

The renewal application consists primarily of updates and corrections pertaining to existing equipment and operational changes. The CAM Plan has introduced additional monitoring requirements for sources of particulate emissions.

The major permit modification includes installation of air pollution control equipment to reduce the facility potential emissions to less than the major source applicability threshold of 10 tons per year (tpy) of hydrogen chloride, a hazardous air pollutant (HAP). By limiting the hydrogen chloride emissions, the potential total HAP emissions from the facility are less than the major source threshold of 25 tpy. As such, a facility limit on total HAP emissions is not required. In addition, by accepting the limit on



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hydrogen chloride emissions, the facility will not be subject to the requirements of 40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.

### **EMISSIONS AND CONTROLS:**

The air pollution sources at Morton Salt emit air pollutants consisting mainly of particulate matter and combustion by-products. Morton Salt is a major source of nitrogen oxides (NO<sub>x</sub>) and sulfur dioxide emissions. The facility is a potential major source of particulate emissions prior to air pollution control equipment and is a synthetic minor source of HAP emissions.

Particulate emissions are generated primarily from the combustion of coal and from the production and packaging of salt products. The facility uses an Electrostatic Precipitator (ESP), fabric filters, and wet scrubbers to reduce the particulate emissions to less than 100 tpy. Many of these particulate sources are subject to the CAM Rule.

Hydrogen chloride (HCl) is the major HAP emission from the coal fired boiler. The other minor HAP emissions produced from the coal boiler include total selected metals (TSM) and mercury. Morton Salt has proposed to reduce the HCl emissions by using a gas scrubbing system and fuel analysis plan.

### **APPLICABLE REQUIREMENTS:**

#### *6NYCRR Part 201-7 - Federal Enforceable Emission Caps*

Morton Salt is a potentially major source of HCl emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include compliance testing, fuel analysis plan, establishment of operating parameters, and continuous compliance demonstration.

#### *6NYCRR Part 212 - General Process Emission Sources:*

The particulate emissions generated during the salt production processes are regulated under 6NYCRR Part 212. These sources are applicable to an allowable particulate emission rate and are regulated by an opacity limit. Compliance with this regulation is accomplished through the operation of emission control equipment and a daily visible emission observation.

#### *6NYCRR Part 225 -1, Fuel Composition and Use - Sulfur Limitations*

The coal sulfur content is limited as specified in this regulation. Morton Salt demonstrates compliance with this requirement through a fuel sampling and analysis plan.

#### *6NYCRR Part 227-1, Stationary Combustion Installations*

The particulate emissions from the coal fired boiler are subject to an allowable emission rate and are regulated by an opacity limit. Compliance with this regulation is accomplished through the use of air pollution control equipment, monitoring of excess opacity using an opacity meter, visible emission observations, and completion of a performance test once per permit term.

#### *6NYCRR Part 227-2, NO<sub>x</sub> RACT*

The 138 mmBtu/hr coal fired boiler and the 92.5 mmBtu/hr natural gas fired boiler are each subject to the control requirements, monitoring, reporting, and recordkeeping requirements of 6NYCRR Part 227-2. Morton Salt demonstrates compliance with the NO<sub>x</sub> RACT emission limit for the coal fired boiler by completing a performance test once per permit term. Demonstration of compliance with the NO<sub>x</sub> RACT



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emission limit on the gas fired boiler was completed as required by the previous permit modification. Additional testing of the gas boiler is not intended to be completed during this permit term.

*6NYCRR Part 231-2 and 40CFR52.21- New Source Review:*

Emission Unit M-BG002 includes a 92.5 mmBtu/hr natural gas fired boiler that produces steam for building heat and steam for salt production and drying. As part of MOD1 to the initial Title V Permit, Morton Salt accepted a limit on the NOx emissions from the boiler to remain below the significant net emissions increase threshold of 40 tpy and not be subject to New Source Review. This was an existing boiler whose use was previously limited to 500 hours. However, the PTE of this emission source increased as a result of the 500 hour limit being eliminated.

*40 CFR 64 - Compliance Assurance Monitoring:*

Particulate emissions generated from the combustion of coal and from the production and packaging of salt products are applicable to the CAM Rule. In general, the monitoring requirements developed in the CAM Plan include daily visible emission monitoring of the fabric filters and wet scrubbers, weekly differential pressure readings across the fabric filters and wet scrubbers, and an hourly measurement of total power inlet to the ESP.

**NON-APPLICABLE REQUIREMENTS:**

*40 CFR 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters:*

With the installation of the wet scrubber, Morton Salt is not expected to be subject to the above referenced standard because the facility would be a minor source of total and individual HAP emissions.

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:            DAVID S DENK  
   DIVISION OF ENVIRONMENTAL PERMITS  
   270 MICHIGAN AVE  
   BUFFALO, NY 14203-2999

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 9  
HEADQUARTERS  
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: 6NYCRR 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:**



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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: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 4.1:**

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

**Item 4.2:**

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 4.3:**

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

**Item 5.1:**

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

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

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

**Item 6.1:**

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

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

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- 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 7: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 7.1:**

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 14203-2999  
(716) 851-7165

**Condition 8: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 8.1:**

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 14203-2999  
(716) 851-7165



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**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: MORTON INTERNATIONAL INC  
123 NORTH WACKER DRIVE  
CHICAGO, IL 60606-1743

Facility: MORTON SALT DIV  
45 RIBAUD AVE EAST  
SILVER SPRINGS, NY 14550

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

Permit Effective Date: 02/20/2007

Permit Expiration Date: 02/19/2012



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
  - 2 6NYCRR 201-6.5(a)(7): Fees
  - 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
  - 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
  - 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
  - 6 6NYCRR 201-6.5(e): Compliance Certification
  - 7 6NYCRR 202-2.1: Compliance Certification
  - 8 6NYCRR 202-2.5: Recordkeeping requirements
  - 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
  - 10 6NYCRR 200.7: Maintenance of Equipment
  - 11 6NYCRR 201-1.7: Recycling and Salvage
  - 22 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
  - 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
  - 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
  - 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
  - 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
  - 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
  - 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
  - 18 6NYCRR 202-1.1: Required Emissions Tests
  - 19 6NYCRR 211.3: Visible Emissions Limited
  - 20 40CFR 68: Accidental release provisions.
  - 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
  - 23 6NYCRR 201-6: Emission Unit Definition
  - 24 6NYCRR 201-6.5(g): Non Applicable requirements
  - 25 6NYCRR 201-7: Facility Permissible Emissions
  - \*26 6NYCRR 201-7: Capping Monitoring Condition
  - \*27 6NYCRR 201-7: Capping Monitoring Condition
  - \*28 6NYCRR 201-7: Capping Monitoring Condition
  - \*29 6NYCRR 201-7: Capping Monitoring Condition
  - \*30 6NYCRR 201-7: Capping Monitoring Condition
  - 31 6NYCRR 212.4(c): Compliance Certification
  - 32 6NYCRR 212.6(a): Compliance Certification
  - 33 40CFR 64: Compliance Certification
- Emission Unit Level**
- 34 6NYCRR 201-6: Emission Point Definition By Emission Unit
  - 35 6NYCRR 201-6: Process Definition By Emission Unit

**EU=M-BC001**

- 36 6NYCRR 227-1.3(a): Compliance Certification



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- 37 6NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 38 40CFR 64: Compliance Certification

**EU=M-BC001,Proc=001**

- 39 6NYCRR 225-1.2(a)(2): Compliance Certification
- 40 6NYCRR 225-1.2(a)(2): Compliance Certification
- 41 6NYCRR 225-1.2(a)(2): Compliance Certification
- 42 6NYCRR 227-1.2(a)(4): Compliance Certification
- 43 6NYCRR 227-2.4(b)(1): Compliance Certification

**EU=M-BG002,Proc=005**

- 44 6NYCRR 227-1.3(a): Compliance Certification

**EU=M-BG002,EP=00027,Proc=005,ES=G0005**

- 45 6NYCRR 227-2.4(c)(2): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 46 ECL 19-0301: Contaminant List
- 47 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 48 6NYCRR 211.2: Air pollution prohibited

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 6NYCRR Part 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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

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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR 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 Part 201-6.3(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 Part 201-6.3(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 Part 201-6.5(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 Part 201-6.5(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 - 6NYCRR Part 201-6.5(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

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order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

**Item I: Severability - 6 NYCRR Part 201-6.5(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 Part 201-6.5(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

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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 Part 201-6.5(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



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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 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)**

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

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(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 201-6.3(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.

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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 shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(e)**

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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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. 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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2



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Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

270 Michigan Avenue  
Buffalo, NY 14203-2999

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 1/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 7.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:  
Emission statements shall be submitted on or before April  
15th each year for emissions of the previous calendar  
year.

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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 202-2.5**



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**Item 8.1:**

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-1.7**



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**Item 11.1:**

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

**Condition 22: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 22.1:**

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 12: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 12.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

**Condition 13: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 13.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

**Condition 14: Standard Requirement - Provide Information**

**Effective between the dates of 02/20/2007 and 02/19/2012**



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**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)**

**Item 14.1:**

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 15: General Condition - Right to Inspect**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)**

**Item 15.1:**

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 16: Standard Requirements - Progress Reports**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)**

**Item 16.1:**

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



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preventive or corrective measures adopted.

**Condition 17: Off Permit Changes**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(f)(6)**

**Item 17.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 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. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 19: Visible Emissions Limited**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 19.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material



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having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 20: Accidental release provisions.**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 40CFR 68**

**Item 20.1:**

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 21: Recycling and Emissions Reduction**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 21.1:**

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

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

**Condition 23: Emission Unit Definition**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

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**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 23.1:**

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, and building heat. The boiler has an electrostatic precipitator to control particulate emissions and a packed tower scrubber to control hydrogen chloride emissions. The emission points include a brick chimney (EP001) and the scrubber stack (EP030). The brick chimney will become the bypass stack once the new scrubber is operational. There is also a flyash accumulation silo.

Building(s): 1

**Item 23.2:**

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 and steam for 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 facility intends to comply with the NO<sub>x</sub> RACT emission limit of 0.10 pounds NO<sub>x</sub> per million Btu.

Building(s): 1

**Item 23.3:**

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 23.4:**

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,



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screening, grinding, blocking, packaging, and bulk truck loading of salt (NaCl) products.

Building(s): 36  
7  
8

**Item 23.5:**

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 23.6:**

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 24: Non Applicable requirements**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 24.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40CFR 63-DDDDD

Reason: Morton Salt is not expected to be subject to 40 CFR 63

Subpart DDDDD - National Emission Standards for Hazardous

Air Pollutants for Industrial, Commercial, and

Institutional Boilers and Process Heaters. The facility

is limiting hydrogen chloride emissions to less than major



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source thresholds by installing a wet scrubber. The wet scrubber will be installed and tested prior to the compliance date of September 13, 2007.

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 25.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 007647-01-0                      PTE: 19,000 pounds per year  
Name: HYDROGEN CHLORIDE

**Condition 26: Capping Monitoring Condition**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 26.1:**

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

40CFR 63-DDDDD

**Item 26.2:**

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

**Item 26.3:**

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

**Item 26.4:**

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

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levels that would require compliance with an applicable requirement.

**Item 26.5:**

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

**Item 26.6:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 26.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Morton Salt is a potentially major source of hydrogen chloride (HCl) emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include: (1) performance testing, (2) fuel analysis plan, (3) establishment of operating parameters, (4) continuous compliance demonstration, and (5) monthly emission calculations as outlined in the capping permit conditions specified under 6NYCRR 201-7.

**CAPPING ITEM 4: CONTINUOUS COMPLIANCE**

You must demonstrate continuous compliance with each capping emission limit and operating limit as follows:

**MONITORING EQUIPMENT**

1. You must install, operate, and maintain a flow measurement device for the wet scrubber that meets the requirements specified in §63.7525 paragraphs (c) and (d).
2. You must install, operate, and maintain a pressure

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measurement device for the wet scrubber that meets the requirements in §63.7525 paragraphs (c) and (e).

3. You must install, operate, and maintain a pH measurement device for the wet scrubber that meets the requirements in §63.7525 paragraphs (c) and (f).

4. The monitoring equipment must complete a minimum of one cycle of operation for each successive 15-minute period. You must have a minimum of four successive cycles of operation to have a valid hour of data.

5. You must monitor continuously (or collect data at all required intervals) at all times that the affected source is operating, except for malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments).

6. Operation below the established minimum operating limits shall constitute a deviation of established operating limits. You must immediately complete maintenance and corrective action to get the control equipment back within the established operating parameters. If this is not possible, then a performance test shall be completed within 60 days of the reported incident.

**RECORD KEEPING**

7. You must determine the 3-hour block average of all recorded readings.

8. For purposes of calculating data averages, you must not use data recorded during monitoring malfunctions, associated repairs, out of control periods, or required quality assurance or control activities. You must use all the data collected during all other periods in assessing compliance. Any period for which the monitoring system is out-of-control and data are not available for required calculations constitutes a deviation from the monitoring requirements.

9. You may not use data recorded during monitoring malfunctions, associated repairs, or required quality assurance or control activities in data averages and calculations used to report emission or operating levels.



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You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

10. Record the results of each inspection, calibration, and validation check.

11. You must keep records of the type and amount of all fuels burned during the reporting period.

Reference Test Method: 40CFR63 Subpart DDDDD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 27: Capping Monitoring Condition**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 27.1:**

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

40CFR 63-DDDDD

**Item 27.2:**

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

**Item 27.3:**

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

**Item 27.4:**

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

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**Item 27.5:**

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

**Item 27.6:**

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

Emission Unit: M-BC001

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Morton Salt is a potentially major source of hydrogen chloride (HCl) emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include: (1) performance testing, (2) fuel analysis plan, (3) establishment of operating parameters, (4) continuous compliance demonstration, and (5) monthly emission calculations as outlined in the capping permit conditions specified under 6NYCRR 201-7.

CAPPING ITEM 1: PERFORMANCE TESTING

TEST PLAN:

1. You must develop a site-specific test plan according to the requirements in §63.7(c) and submit 30 days prior to any compliance test.

INITIAL PERFORMANCE TEST:

2. You must conduct an initial performance test at least 45 days prior to the 40CFR63 Subpart DDDDD compliance date of September 13, 2007 to demonstrate the facility HCl emissions do not equal or exceed 19,000 lbs/yr.

3. The initial performance test shall include analysis of hydrogen chloride (HCl) emissions from the coal fired

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boiler.

**ON-GOING PERFORMANCE TESTING:**

4. You must conduct on-going performance tests of HCl at least once per permit term.

5. Since prior testing has shown HCl to be the primary contaminant of concern, additional performance testing of HCl will be required when any actual bi-monthly analysis of the fuel chlorine content is measured in excess of 110% of the established maximum chlorine input level.

**METHODS:**

6. You must conduct all performance tests according to §63.7(c), (d), (f), and (h).

7. You must conduct each performance test according to the methods and requirements in §63.7520 and Table 5 to this subpart.

8. You must conduct performance tests at the maximum normal operating load while burning the type of fuel or mixture of fuels that have the highest content of chlorine and you must demonstrate initial compliance and establish your operating limits based on these tests. These requirements could result in the need to conduct more than one performance test.

9. You may not conduct performance tests during periods of startup, shutdown, or malfunction.

10. You must conduct three separate test runs for each performance test. Each test run must last at least 120 minutes.

11. You must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 of 40CFR60 Appendix A to convert the measured HCl concentrations that result from the initial performance test to pounds per million Btu heat input emission rates using F-factors.

**REPORTING:**

13. You must report the results of performance tests within 60 days after the completion of the performance tests. This report should also verify that the operating

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limits for your affected source have not changed or provide documentation of revised operating parameters established according to §63.7530 and Table 7 to this subpart, as applicable. The reports for all subsequent performance tests should include all applicable information required in §63.7550.

Reference Test Method: 40CFR63 Subpart DDDDD

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 28: Capping Monitoring Condition**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 28.1:**

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

40CFR 63-DDDDD

**Item 28.2:**

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

**Item 28.3:**

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

**Item 28.4:**

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

**Item 28.5:**

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

**Item 28.6:**

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 28.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Morton Salt is a potentially major source of hydrogen chloride (HCl) emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include: (1) performance testing, (2) fuel analysis plan, (3) establishment of operating parameters, (4) continuous compliance demonstration, and (5) monthly emission calculations as outlined in the capping permit conditions specified under 6NYCRR 201-7.

**CAPPING ITEM 2: FUEL ANALYSIS REQUIREMENTS**

**FUEL ANALYSIS PLAN:**

1. You must develop a site-specific fuel analysis plan according to §63.7521(b). The plan must be submitted to the Department for review and approval at least 45 days prior to the compliance date of September 13, 2007. The purpose of the plan is to establish on-going procedures for the sampling and analysis of chlorine in the coal being burned in the boiler.

**INITIAL FUEL ANALYSIS:**

2. As part of the initial compliance test, you must conduct initial fuel analyses according to §63.7521 and establish maximum fuel pollutant input levels of chlorine.

**ON-GOING FUEL ANALYSIS:**

3. You must conduct on-going fuel analyses to determine the actual chlorine fuel input levels on a bi-monthly basis. Each truck load of coal received shall be sampled and composited bi-monthly.

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4. Any bi-monthly analysis of chlorine in excess of 110% of the established maximum chlorine input level for coal burned in the initial performance test will require an additional performance test.

**METHODS:**

5. You must obtain and prepare fuel samples in accordance with §63.7521(c) and (d).

6. You must conduct fuel analyses following the methods specified in Table 6 to Subpart DDDDD of Part 63 for chlorine.

7. You must establish maximum fuel pollutant input levels according to §63.7530(c).

8. You must determine the concentration of chlorine in the fuel in units of pounds per million Btu of each composite sample for each fuel type according to the procedures in Table 6 to Subpart DDDDD of Part 63.

**RECORDKEEPING:**

10. You must keep records of bi-monthly fuel use including type(s) of fuel and amount(s) used.

11. You must keep records of all calculations and supporting documentation of maximum chlorine input levels and HCl emission rates.

**REPORTING:**

12. The established maximum chlorine fuel input level shall be submitted as proposed compliance certification conditions for a permit modification. The permit modification shall be submitted no later than 60 days after the compliance date of September 13, 2007.

Reference Test Method: 40CFR63 Subpart DDDDD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 29: Capping Monitoring Condition**



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**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 29.1:**

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

40CFR 63-DDDDD

**Item 29.2:**

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

**Item 29.3:**

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

**Item 29.4:**

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

**Item 29.5:**

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

**Item 29.6:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 29.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**Monitoring Description:**

Morton Salt is a potentially major source of hydrogen chloride (HCl) emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include: (1) performance testing, (2) fuel analysis plan, (3) establishment of operating parameters, (4) continuous compliance demonstration, and (5) monthly emission calculations as outlined in the capping permit conditions specified under 6NYCRR 201-7.

**CAPPING ITEM 3: OPERATING LIMIT REQUIREMENTS**

**ESTABLISH OPERATING LIMITS:**

1. You must establish parameter operating limits during the three-run performance test as follows:
2. For the wet scrubber, you must establish the minimum scrubber effluent pH, liquid flowrate, and pressure drop as defined in §63.7575, as your operating limits during the three-run performance test. The minimum scrubber effluent pH operating limit must be established during the HCl performance test.
3. You must collect pH, pressure drop, and liquid flow-rate data every 15 minutes during the entire period of the performance tests.
4. You must determine the average pH, pressure drop, and liquid flow-rate for each individual test run in the three-run performance test by computing the average of all the 15-minute readings taken during each test run. The lowest hourly average of the three test runs shall be used as the minimum operating limit.

**REPORTING**

5. The established minimum scrubber effluent pH, liquid flowrate and pressure drop shall be submitted as proposed compliance certification conditions for a permit modification. The permit modification shall be submitted no later than 60 days after the compliance date.
6. You must not operate below any of the established



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minimum operating limits at all times except during periods of startup, shutdown and malfunction. Operation below the established minimum operating limits shall constitute a deviation of established operating limits.

Reference Test Method: 40CFR63 Subpart DDDDD  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 30: Capping Monitoring Condition**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 30.1:**

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

40CFR 63-DDDDD

**Item 30.2:**

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

**Item 30.3:**

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

**Item 30.4:**

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

**Item 30.5:**

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

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**Item 30.6:**

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

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 30.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Morton Salt is a potentially major source of hydrogen chloride (HCl) emissions. The facility has accepted limitations on the HCl emissions to remain a minor source and avoid applicability to 40 CFR 63 Subpart DDDDD. The permit requirements used to demonstrate compliance with the emission limit include: (1) performance testing, (2) fuel analysis plan, (3) establishment of operating parameters, (4) continuous compliance demonstration, and (5) monthly emission calculations as outlined in the capping permit conditions specified under 6NYCRR 201-7.

**CAPPING ITEM 5: MONTHLY EMISSION CALCULATIONS**

1. You must complete monthly emission calculations to demonstrate the facility emissions do not equal or exceed 19,000 pounds per year hydrogen chloride (HCl).
2. Monthly Hydrogen Chloride emissions shall be calculated based on the fuel chlorine content, amount of fuel consumed, the relative destruction removal efficiency (DRE) of the control device as determined by the initial performance test, and the hours of operation of the boiler during each calendar month.
3. The packed scrubber should normally be operated at all times the coal boiler is operating. Normal periodic maintenance of the scrubber equipment shall be completed during boiler shutdown. During emergency operation of the boiler when the scrubber is not in use, the Hydrogen

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Chloride emissions shall be accounted toward the emission cap and calculated based on the fuel chlorine content, the amount of fuel consumed, and the hours the boiler was operated without the packed scrubber.

4. You must calculate a 12-month rolling HCl emission rate for each consecutive 12 month period.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 19000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 31: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 31.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: M-BC001

Process: 004

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 31.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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 7/30/2007.

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

**Condition 32: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 32.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: M-BC001  
Process: 004

Emission Unit: M-ML005  
Process: 008

Emission Unit: M-PH006  
Process: 010

Emission Unit: M-PT003  
Process: 006

Emission Unit: M-BR004  
Process: 007

Regulated Contaminant(s):

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CAS No: 0NY075-00-0 PARTICULATES

**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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 only 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 7/30/2007.

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

**Condition 33: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 40CFR 64**

**Item 33.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: M-BC001

Process: 001

Emission Source: B0004



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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: MLC09

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 33.2:**

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

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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)

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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)
B0004	Flyash Silo Baghouse Micro Pulse	13 - 17
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
MLC09	FlexKleen Mod 8ACT-46 Baghouse	0.2 - 8.0
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

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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).

**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 7/30/2007.

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

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

**Condition 34: Emission Point Definition By Emission Unit**  
Effective between the dates of 02/20/2007 and 02/19/2012

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 34.1:**

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.): 4727.42 NYTME (km.): 247.529 Building: 1

Emission Point: 00030

Height (ft.): 55

Diameter (in.): 60

Emission Point: 00031

Height (ft.): 35

Diameter (in.): 4

Building: 1

**Item 34.2:**

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

Emission Unit: M-BG002

Emission Point: 00027

Height (ft.): 36

Diameter (in.): 54

NYTMN (km.): 4727.42 NYTME (km.): 247.529 Building: 1

**Item 34.3:**

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.): 4727.42 NYTME (km.): 247.529 Building: 33

**Item 34.4:**

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

Emission Unit: M-ML005



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Emission Point: 00002  
Height (ft.): 60                      Diameter (in.): 36  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 36

Emission Point: 00006  
Height (ft.): 5                      Diameter (in.): 14  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 7

Emission Point: 00008  
Height (ft.): 56                      Diameter (in.): 21  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 8

Emission Point: 00009  
Height (ft.): 54                      Length (in.): 24                      Width (in.): 36  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 36

**Item 34.5:**

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.): 4727.42    NYTME (km.): 247.529    Building: 34C

Emission Point: 00005  
Height (ft.): 30                      Diameter (in.): 24  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 32

Emission Point: 00010  
Height (ft.): 27                      Length (in.): 12                      Width (in.): 36  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 34C

Emission Point: 00014  
Height (ft.): 69                      Diameter (in.): 18  
NYTMN (km.): 4727.42    NYTME (km.): 247.529    Building: 32

**Item 34.6:**

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.): 4727.42    NYTME (km.): 247.529    Building: 33

**Condition 35: Process Definition By Emission Unit**

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**Facility DEC ID: 9563200007**



**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 35.1:**

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 Description:

Process 001 includes the burning of bituminous coal in a dry bottom boiler to generate steam. The process includes coal pulverizers.

Emission Source/Control: B0001 - Combustion

Design Capacity: 138 million Btu per hour

Emission Source/Control: B0003 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: B0004 - Control

Control Type: FABRIC FILTER

Emission Source/Control: SC001 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

**Item 35.2:**

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 Description:

Process 002 includes the natural gas ignitors on the coal boiler. The gas ignitors are fired to start the boiler during start-up, during ash removal and to support low or changing combustion conditions.

Emission Source/Control: B0001 - Combustion

Design Capacity: 138 million Btu per hour

**Item 35.3:**

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

Process Description:

Process 004 includes the pneumatic conveyance of flyash

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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.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 138 million Btu per hour

Emission Source/Control: B0004 - Control  
Control Type: FABRIC FILTER

**Item 35.4:**

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

Emission Unit: M-BG002  
Process: 005 Source Classification Code: 1-02-006-02  
Process Description:  
Process 005 includes the burning of natural gas in the Cleaver Brooks DL-945 boiler to generate steam.

Emission Source/Control: G0005 - Combustion  
Design Capacity: 92.5 million Btu per hour

**Item 35.5:**

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 35.6:**

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:



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Process 008 is the collection of salt (NaCl) dust from the salt handling equipment including screw conveyors, belt conveyors, bucket elevators, screeners, grinders, 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: MLC09 - 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: ML009 - Process

Emission Source/Control: ML010 - Process

Emission Source/Control: ML011 - Process

**Item 35.7:**

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)



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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 35.8:**

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 36: Compliance Certification**

**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 36.2:**

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**Permit ID: 9-5632-00007/00039**

**Facility DEC ID: 9563200007**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- (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 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

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not be considered for determining opacity compliance.

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 7/30/2007.

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

**Condition 37: Multiple fuels particulate matter emission rate.  
Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.5**

**Item 37.1:**

This Condition applies to Emission Unit: M-BC001

**Item 37.2:**

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

**Condition 38: Compliance Certification  
Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 40CFR 64**

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 38.2:**

Compliance Certification shall include the following monitoring:

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**Facility DEC ID: 9563200007**



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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: 0.34 lbs/mmBtu
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: HOURLY TOTAL POWER

Measurement Approach:

The minimum total power will be used as the measurement approach. For the electrostatic precipitator (ESP), you must establish the minimum total power input, as defined in §63.7575, 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 according to Table 7 of 40CFR63 Subpart DDDDD during the most recent performance test.

The total power input shall be recorded hourly from the operator's panel whenever the source is in normal operation (excluding startup and shutdown). 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.

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**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 hourly 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 percentage 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 hourly excursions are recorded more than 36 times over each monthly period. The Department shall be notified within 10 business days if more than 36 of the total power hourly measurements over any monthly period are less than the established minimum value.

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

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

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 39: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 39.1:**

The Compliance Certification activity will be performed for:

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**Permit ID: 9-5632-00007/00039**

**Facility DEC ID: 9563200007**



Emission Unit: M-BC001

Process: 001

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) Coal received for use in this boiler shall not exceed an annual average of 1.7 pounds of sulfur per million Btu gross heat content during any consecutive 12-month period.
- 2.) The facility shall sample each truck load of coal received and composite the samples for semi-monthly analysis for sulfur content or obtain certified analytical results for each truck load from the coal distributor.
- 3.) The facility shall report the 12-consecutive month annual average sulfur content to the Department quarterly. 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.
- 4.) Where the sulfur content does not meet this limit, the nature and cause for such excesses shall be reported to the Department within two business day after becoming aware of the exceedance.
- 5.) The compliance status of this condition shall be reported to the Department semiannually per calendar year.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.7 pounds per million Btus

Reference Test Method: ASTM D 4239

Monitoring Frequency: PER DELIVERY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 40.1:**

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 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

- 1.) Coal received for use in this boiler shall not exceed a maximum sulfur content of 2.5 pounds of sulfur per million Btu gross heat content.
- 2.) The facility shall sample each truck load of coal received and composite the samples for semi-monthly analysis for sulfur content or obtain certified analytical results for each truck load from the coal distributor.
- 3.) The facility shall report the maximum sulfur content to the Department quarterly.
- 4.) Where the sulfur content does not meet this limit, the nature and cause for such excesses shall be reported to the Department within two business days after becoming aware of the exceedance.
- 5.) The compliance status of this condition shall be reported to the Department semiannually per calendar year.



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Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: FUEL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 2.5 pounds per million Btus  
Reference Test Method: ASTM D 4239  
Monitoring Frequency: PER DELIVERY  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 41: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 41.1:**

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 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

- 1.) Coal received for use in this boiler shall not exceed an average of 1.9 pounds of sulfur per million Btu gross heat content during any consecutive 3-month period.
- 2.) The facility shall sample each truck load of coal received and composite the samples for semi-monthly analysis for sulfur content or obtain certified analytical results for each truck load from the coal distributor.
- 3.) The facility shall report the 3-consecutive month average sulfur content to the Department quarterly. Averages are computed for each emission source by dividing



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the total sulfur content by the total gross heat content of all solid fuel received during any consecutive three-month period.

4.) Where the sulfur content does not meet this limit, the nature and cause for such excesses shall be reported to the Department within two business day after becoming aware of the exceedance.

5.) The compliance status of this condition shall be reported to the Department semiannually per calendar year.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.9 pounds per million Btus

Reference Test Method: ASTM D 4239

Monitoring Frequency: PER DELIVERY

Averaging Method: 3-MONTH AVERAGE ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001

Process: 001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1.) Particulate emissions from the coal fired boiler are limited to 0.34 pounds per million Btus.

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- 2.) You must conduct an initial performance test at least 90 days prior to the 40CFR63 Subpart DDDDD compliance date of September 13, 2007 to establish the minimum total power input operating limit and demonstrate compliance with the particulate emission limit.
- 3.) Subsequent performance tests shall be completed once per permit term to demonstrate compliance with the particulate emission limit and re-establish the minimum total power input operating limit.
- 4.) For the electrostatic precipitator (ESP), you must establish the minimum total power input, as defined in §63.7575, as your operating limit during the 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 according to Table 7 of 40CFR63 Subpart DDDDD during the most recent performance test.
- 5.) You must collect total power input data every 15 minutes during the entire period of the performance test.
- 6.) You must determine the average total power input for each individual test run in the three-run performance test by computing the average of all the 15-minute readings during each test run. The lowest average of the three test runs shall be used as the minimum operating limit.
- 7.) The established minimum total power input level shall be submitted as proposed compliance certification conditions for a permit modification. The permit modification shall be submitted no later than 60 days after the compliance date of September 13, 2007.
- 8.) The stack test protocol shall be submitted to the Department no less than 60 days prior to the proposed date of emissions testing.
- 9.) The compliance status of this condition shall be reported to the Department semiannually per calendar year.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.34 pounds per million Btus



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Reference Test Method: EPA Method 5  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BC001  
Process: 001

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

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

- 1.) The NOx RACT limit for the coal boiler is 0.50 lb/mm Btu heat input.
- 2.) The unit shall be stack tested for NOx once during the permit term.
- 3.) The stack test protocol shall be submitted to the Department no less than 60 days prior to the proposed date of emissions testing.
- 4.) The compliance status of this condition shall be reported to the Department semiannually per calendar year.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.50 pounds per million Btus  
Reference Test Method: EPA Method 7  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE



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**Facility DEC ID: 9563200007**

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 44: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BG002

Process: 005

**Item 44.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

**Condition 45: Compliance Certification**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-BG002 Emission Point: 00027



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**Facility DEC ID: 9563200007**

Process: 005

Emission Source: G0005

Regulated Contaminant(s):

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

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. The Morton Salt facility operates a 92.5 mmBtu/hr auxiliary natural gas fired mid-sized boiler used to produce steam in support of the main coal fired boiler. In the initial Title V Permit, the facility established a variance from the NOx RACT control requirements on the gas boiler by limiting the operation of the boiler to 500 hours per any 12 month period.
2. Morton Salt received a permit modification to comply with the NOx RACT emission limit of 0.10 pounds NOx per million Btu (lb NOx/mmBtu) and eliminate the 500 hour operational limit. A performance test of the gas boiler was completed on March 15, 2006 and demonstrated compliance with the NOx RACT limit.
3. Additional testing will be required once per permit term.
4. Morton Salt shall operate the 92.5 mmBtu/hr natural gas fired boiler to comply with the emission limit of 0.1 lb NOx/mmBtu heat input.
5. Morton Salt shall report the compliance status of this requirement to the Department on a semi-annual basis.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: EPA Method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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



**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: 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 46: Contaminant List**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable State Requirement: ECL 19-0301**

**Item 46.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this

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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY100-00-0

Name: HAP

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 47: Unavoidable noncompliance and violations**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable State Requirement: 6NYCRR 201-1.4**

Item 47.1:

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

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

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate



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of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

**Condition 48: Air pollution prohibited**  
**Effective between the dates of 02/20/2007 and 02/19/2012**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 48.1:**

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.