

**New York State Department of Environmental Conservation  
Facility DEC ID: 6301400004**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 6-3014-00004/00192  
Mod 0 Effective Date: 10/28/2003 Expiration Date: No expiration date.  
Mod 1 Effective Date: 04/30/2004 Expiration Date: No expiration date.  
Mod 2 Effective Date: 04/12/2005 Expiration Date: No expiration date.  
Mod 3 Effective Date: 12/28/2006 Expiration Date: No expiration date.

Permit Issued To: SHERRILL MANUFACTURING INC  
102 E SENECA ST  
SHERRILL, NY 13461

Facility: SHERRILL MANUFACTURING INC  
102 EAST SENECA ST  
SHERRILL, NY 13461

Contact: GINA M CONNELLY  
SHERRILLMANUFACTURING INC  
102 EAST SENECA ST  
ONEIDA, NY 13421  
(315) 361-3409

**Description:**

This modification has been executed to reflect physical changes (the result of 'Lean Manufacturing' implementation) that have occurred at Sherrill Manufacturing Inc. Emission Unit 1-QUNCH has been removed. Various machine tools have been physically re-positioned and PM emissions have been reduced in emission unit 1PMSRC. This modification has also been an opportunity to both tighten up various descriptions and better organize this permit.

Note: This modification includes several changes that were intended to occur by November 2006, but now appear to be delayed until approximately the first half of 2007; therefore, this permit modification is expected to be slightly inaccurate for several initial months. The affected areas are in Processes P06 and P07. This situation is not expected to change the emissions of this facility during this timeframe. If in the future, Sherrill Manufacturing were to decide against completing these changes, then facility agrees to submit another application for modification that will reset this permit to match the true plant layout.

Specifically, here is a description of the current (12/20/06) P06 and P07 layout that will operate until these plant changes occur in 2007. After these changes are completed, "Mod3" as written, will become



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accurate:

- 1) P06 from December 2006 to July 2007: This process consists of the automatic and hand buffing of tableware. The primary equipment used in this process are index machines, shankers, belt tines, lathes and edgers. The emissions from this process exhaust to EP00028, EP00035, EP 00041, EP00042, EP00044, EP00045, EP00046, EP00056 and EP00619.
  - a) However, approximately before July 2007, baghouse BH041 and its associated emission point EP00041 will be moved from P06 to then become part of process P07.
  - b) Conversely, baghouse BH043 and its associated emission point EP00043, now part of P07, will be moved to then become part of P06.
  - c) These two changes will terminate all emissions that are ducted to baghouse BH619 and it's associated emission point EP00619. BH619 (BH is too maintenance intensive) and EP00619 will then be taken out of service.
  - d) There will be no increase or decrease in the number of sources that operate in P06, and no increase of decrease in the generation of emissions due to this change.
  
- 2) P07 from December 2006 to July 2007: This process consists of the automatic and hand buffing of tableware. The primary equipment used in this process are index machines and bead blasting units. The emissions from this process exhaust to EP00043.
  - a) However, approximately before July 2007, the baghouse BH043 and it's associated emission point EP00043 will be moved from P07 and then become part of P06.
  - b) Conversely, baghouse BH041 and it's associated emission point EP00041, now part of P06, will be moved and will become part of P07. Note: BH041 has been mothballed for years, it is being put back into service to replace BH619.
  - c) There will be no increase or decrease in the number of sources that operate in P07, and no increase of decrease in the generation of emissions due to this change.

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:           BRIAN D FENLON  
  DIVISION OF ENVIRONMENTAL PERMITS  
  STATE OFFICE BLDG, 317 WASHINGTON ST  
  WATERTOWN, NY 13601-3787

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 6  
HEADQUARTERS  
Submission of application for permit modification or renewal-REGION 6  
HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 3-1.1:**

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

**Item 3-1.2:**

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 3-1.3:**

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



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actual transfer of ownership.

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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

**Condition 3-2: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3-2.1:**

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

**Item 4.1:**

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,

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relevant technology or applicable law or regulations since the issuance of the existing permit;  
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 6 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787  
(315) 785-2245

**Condition 3-3: Submission of application for permit modification or renewal-REGION 6 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 3-3.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787  
(315) 785-2245

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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: SHERRILL MANUFACTURING INC  
102 E SENECA ST  
SHERRILL, NY 13461

Facility: SHERRILL MANUFACTURING INC  
102 EAST SENECA ST  
SHERRILL, NY 13461

Authorized Activity By Standard Industrial Classification Code:  
3914 - SILVERWARE AND PLATED WARE

Mod 0 Permit Effective Date: 10/28/2003

Permit Expiration Date: No expiration date.

Mod 1 Permit Effective Date: 04/30/2004

Permit Expiration Date: No expiration date.

Mod 2 Permit Effective Date: 04/12/2005

Permit Expiration Date: No expiration date.

Mod 3 Permit Effective Date: 12/28/2006

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 24 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 3-1 6NYCRR 201-7.2: Facility Permissible Emissions
- \*3-2 6NYCRR 201-7.2: Capping Monitoring Condition
- \*3-3 6NYCRR 201-7.2: Capping Monitoring Condition
- \*3-4 6NYCRR 201-7.2: Capping Monitoring Condition
- \*3-5 6NYCRR 201-7.2: Capping Monitoring Condition
- 3-6 6NYCRR 212.4(c): Compliance Demonstration
- 3-7 6NYCRR 212.4(c): Compliance Demonstration
- 3-8 6NYCRR 212.6(a): Compliance Demonstration
- 3-9 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 3-10 6NYCRR 225-1.2(a)(2): Compliance Demonstration
- 9 6NYCRR 225-1.8: Compliance Demonstration
- 1-1 6NYCRR 227-1.6(a): Corrective action.
- 1-2 6NYCRR 227-1.6(b): Corrective action.
- 1-3 6NYCRR 227-1.6(c): Corrective action.
- 1-4 6NYCRR 227-1.6(d): Corrective action.

**Emission Unit Level**

**EU=1-BOILR**

- 1-6 6NYCRR 227-1.3(a): Compliance Demonstration
- 27 6NYCRR 227-1.6(a): Corrective Action
- 28 6NYCRR 227-1.6(b): Corrective Action
- 29 6NYCRR 227-1.6(c): Corrective Action
- 30 6NYCRR 227-1.6(d): Corrective Action

**EU=1-BOILR,Proc=B02**

- 3-11 6NYCRR 227.2(b)(1): Compliance Demonstration

**EU=1-BOILR,Proc=B03**

- 3-12 6NYCRR 227.2(b)(1): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 53 ECL 19-0301: Contaminant List
- 54 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 55 6NYCRR 201-5: Emission Unit Definition
- 56 6NYCRR 211.2: Air pollution prohibited
- 1-8 6NYCRR 227-1.4: Compliance Demonstration

**Emission Unit Level**

- 57 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 58 6NYCRR 201-5: Process Definition By Emission Unit

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**NOTE: \* preceding the condition number indicates capping.**



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6NYCRR Part 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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

**Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

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

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

**Item E: 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



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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 F: Recycling and Salvage - 6NYCRR Part 201-1.7**

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

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8**

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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

**Item J: Required Emission Tests - 6 NYCRR Part 202-1.1**

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

**Item K: Visible Emissions Limited - 6 NYCRR Part 211.3**

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

**Item L: Open Fires - 6 NYCRR Part 215**

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

**Item M: 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



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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 N: Federally Enforceable Requirements - 40 CFR 70.6(b)**

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

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 24: Recycling and Emissions Reduction**  
**Effective between the dates of 10/28/2003 and Permit Expiration Date**

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

**Item 24.1:**

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

**Condition 3-1: Facility Permissible Emissions**  
**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 3-1.1:**

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: 007446-09-5 (From Mod 3) PTE: 190,000 pounds per year

Name: SULFUR DIOXIDE



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CAS No: 0NY075-00-0 (From Mod 3) PTE: 180,000 pounds per year  
Name: PARTICULATES

CAS No: 0NY075-00-5 (From Mod 3) PTE: 180,000 pounds per year  
Name: PM-10

CAS No: 0NY210-00-0 (From Mod 3) PTE: 190,000 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 3-2: Capping Monitoring Condition**  
**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 3-2.1:**

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

6NYCRR 201-6.1(a)

**Item 3-2.2:**

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

**Item 3-2.3:**

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

**Item 3-2.4:**

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

**Item 3-2.5:**

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

**Item 3-2.6:**

The Compliance Demonstration activity will be performed for the Facility.



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Regulated Contaminant(s):

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

**Item 3-2.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The sum of the emissions of Oxides of Nitrogen (NOx) from the emission units specified in this permit shall be less than 95 tons during any consecutive 12 month period. Verification of monthly NOx emissions shall be determined by calculations using the monthly natural gas and fuel oil usage records (i.e., #2 & #6 oil). Annually, the facility shall provide a report with the required calculations and a demonstration of compliance with this limit to the NYSDEC Region 6 office.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 190000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 3-3: Capping Monitoring Condition**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 3-3.1:**

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:

6NYCRR 201-6.1(a)

**Item 3-3.2:**

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

**Item 3-3.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of



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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 3-3.4:**

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 3-3.5:**

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 3-3.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 3-3.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The sum of the emissions of Sulfur Dioxide (SO<sub>2</sub>) from the emission units specified in this permit shall be less than 95 tons during any consecutive 12 month period.

Verification of monthly SO<sub>2</sub> emissions shall be determined by calculations using the monthly natural gas and fuel oil usage (i.e., #2 & #6 oil). Annually, the facility shall provide a report, with the required calculations and a demonstration of compliance with this limit to the NYSDEC Region 6 office.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 190000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

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Permit ID: 6-3014-00004/00192

Facility DEC ID: 6301400004



**Condition 3-4: Capping Monitoring Condition**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 3-4.1:**

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

6NYCRR 201-6.1(a)

**Item 3-4.2:**

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

**Item 3-4.3:**

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

**Item 3-4.4:**

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

**Item 3-4.5:**

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

**Item 3-4.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 3-4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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



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**Facility DEC ID: 6301400004**

**Monitoring Description:**

The sum of facility-wide PM-10 emissions from all the emission units specified in this permit shall be less than 90 tons during any consecutive 12 month period. Fuel oil (i.e. #2 & #6 oil) and natural gas usage from combustion shall be recorded monthly. This information and appropriate AP-42 emission factors shall be used to estimate PM-10 emissions from combustion sources at the facility. The sum of combustion PM-10 emissions and calculated process PM-10 emissions shall be used to demonstrate compliance with the 90 tpy limit on a 12-month rolling total basis (record monthly).

Annually, the Facility shall provide to NYSDEC Region 6, a report which details actual PM-10 emissions.

Parameter Monitored: PM-10

Upper Permit Limit: 180000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 3-5: Capping Monitoring Condition**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 3-5.1:**

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:

6NYCRR 201-6.1(a)

**Item 3-5.2:**

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

**Item 3-5.3:**

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.



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**Item 3-5.4:**

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 3-5.5:**

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 3-5.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 3-5.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The sum of facility-wide particulate emissions from all the emission units specified in this permit shall be less than 90 tons during any consecutive 12 month period. Fuel oil (i.e. #2 & #6 oil) and natural gas usage from combustion shall be recorded monthly. This information and appropriate AP-42 emission factors shall be used to estimate particulate emissions from combustion sources at the facility. The sum of combustion particulate emissions and calculated process particulate emissions shall be used to demonstrate compliance with the 90 tpy limit on a 12-month rolling total basis (record monthly).

Annually, the Facility shall provide to NYSDEC Region 6, a report which details actual facility-wide particulate emissions.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 180000 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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**Facility DEC ID: 6301400004**



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

**Condition 3-6: Compliance Demonstration**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

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

**Item 3-6.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-PMSRC

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 3-6.2:**

Compliance Demonstration shall include the following monitoring:

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

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.

Compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

Further, the 1-PMSRC emission unit shall be subject to the following two requirements:



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A) Production of flatware, etc (number of pieces and the weight of pieces) shall be recorded monthly. This production (weight) information, along with established emission factors (weight of particulate generated per flatware weight produced) and the established removal efficiency of an associated control device shall be used to estimate particulate emissions from these process sources.

B) To ensure the integrity of the established removal efficiency, the facility shall operate and maintain the baghouses and rotoclones in 1-PMSRC within the requirements specified in the facility's Operation and Maintenance Plan (OMP), an addendum to this permit. Among other tasks, the OMP dictates that Sherrill Manufacturing weekly, shall monitor and record the baghouse pressure-drop readings. The target parameters are listed in Table 2 of the OMP entitled "Normal Operating Ranges". Verification of effective control of particulates from emission unit 1-PMSRC shall be based on facility meeting the requirements of the OMP.

Annually, for the applicable 12-month period, the facility shall submit to the NYSDEC:

- 1) The entire baghouse pressure-drop log
- 2) A summary of baghouse maintenance
- 3) A summary of any observed opacity
- 4) A disclosure of any Reference Method 9 tests performed
- 5) Calculations of PM emissions that are derived from flatware production figures and emission factors

Parameter Monitored: PARTICULATES

Upper Permit Limit: .05 grains per dscf

Reference Test Method: Observation of Visible Emissions

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 3-7: Compliance Demonstration**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**



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

**Item 3-7.1:**

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

Emission Unit: 1-COATS

Emission Unit: 1-PLATE

Emission Unit: 1-RCVRY

Emission Unit: 1-STRIP

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

**Item 3-7.2:**

Compliance Demonstration shall include the following monitoring:

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

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.

Compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present following the guidelines similar to EPA Method 22. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%. Annually, facility shall submit a visible observations report to NYSDEC Region 6.



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**Facility DEC ID: 6301400004**

Parameter Monitored: PARTICULATES  
Upper Permit Limit: .05 grains per dscf  
Monitoring Frequency: DAILY  
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 12 calendar month(s).

**Condition 3-8: Compliance Demonstration**  
**Effective between the dates of 12/28/2006 and Permit Expiration Date**

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

**Item 3-8.1:**

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

Emission Unit: 1-COATS

Emission Unit: 1-PLATE

Emission Unit: 1-PMSRC

Emission Unit: 1-RCVRY

Emission Unit: 1-STRIP

**Item 3-8.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY



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Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: DAILY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 12 calendar month(s).

**Condition 3-9: Compliance Demonstration**  
**Effective between the dates of 12/28/2006 and Permit Expiration Date**

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

**Item 3-9.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 3-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 3-10: Compliance Demonstration**  
**Effective between the dates of 12/28/2006 and Permit Expiration Date**

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

**Item 3-10.1:**



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The Compliance Demonstration activity will be performed for the Facility.

**Item 3-10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 9.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-1: Corrective action.**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(a)**

**Item 1-1.1:**

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

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

**Condition 1-2: Corrective action.**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(b)**

**Item 1-2.1:**

The commissioner may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

**Condition 1-3: Corrective action.**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(c)**

**Item 1-3.1:**

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

**Condition 1-4: Corrective action.**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(d)**

**Item 1-4.1:**

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

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

**Condition 1-6: Compliance Demonstration**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

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

**Item 1-6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILR

**Item 1-6.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall 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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 27: Corrective Action**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(a)**

**Item 27.1:**

This Condition applies to Emission Unit: 1-BOILR

**Item 27.2:**

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:



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

**Condition 28: Corrective Action**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(b)**

**Item 28.1:**

This Condition applies to Emission Unit: 1-BOILR

**Item 28.2:**

The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraphs 6 NYCRR Part 227-1.6(a)(1)-(3) are not met within the time provided by the order of final determination issued in the case of the violation.

**Condition 29: Corrective Action**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(c)**

**Item 29.1:**

This Condition applies to Emission Unit: 1-BOILR

**Item 29.2:**

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with 6 NYCRR Part 227-1.6.

**Condition 30: Corrective Action**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-1.6(d)**

**Item 30.1:**

This Condition applies to Emission Unit: 1-BOILR

**Item 30.2:**

No person except the commissioner or his representatives shall remove, tamper with or destroy any seal affixed to any stationary combustion installation in accordance with 6 NYCRR Part 227-1.6.

**Condition 3-11: Compliance Demonstration**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227.2(b)(1)**

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**Item 3-11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILR

Process: B02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 3-11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Upon request the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due every 12 calendar month(s).

**Condition 3-12: Compliance Demonstration**

**Effective between the dates of 12/28/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227.2(b)(1)**

**Item 3-12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILR  
Process: B03

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

**Item 3-12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Upon request the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.



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Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

Subsequent reports are due every 12 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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 53: Contaminant List**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

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

**Item 53.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 54: Unavoidable noncompliance and violations**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

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

**Item 54.1:**

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



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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 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 55: Emission Unit Definition**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 55.1(From Mod 3):**

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

Emission Unit: 1-BOILR

Emission Unit Description:

Three 51.035 MMBtu/hr boilers are capable of firing natural gas, #6 or #2 fuel oil.

Building(s): 45

**Item 55.2(From Mod 3):**

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

Emission Unit: 1-COATS



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**Emission Unit Description:**

This emission unit consists of three black oxide metal finishing processes for stainless steel. A strong alkaline bath (Black Magic) imparts a black color onto flatware.

Building(s): 23A  
24

**Item 55.3(From Mod 3):**

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

Emission Unit: 1-PLATE

**Emission Unit Description:**

This emission unit consists of several metal plating lines as well as the stripping of previously-applied plate. Metals plated are nickel, silver and gold.

Building(s): 26

**Item 55.4(From Mod 3):**

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

Emission Unit: 1-PMSRC

**Emission Unit Description:**

This emission unit consists of buffers, grinders and welding operations. The primary equipment being operated includes nips, edgers, shankers, auto tines, lathes and index machines. Particulate debris is collected into ductwork and then removed in baghouses and/or rotoclones. Baghouse operation is governed by an O&M Plan and each unit's pressure drop is monitored weekly.

Building(s): 104  
105  
107  
20  
23A  
24  
2A

**Item 55.5(From Mod 3):**

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

Emission Unit: 1-RCVRY

**Emission Unit Description:**

Plated silver is removed from silver-stripping solutions and is recovered as silver chloride.

Building(s): 104  
5

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**Item 55.6(From Mod 3):**

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

Emission Unit: 1-STRIP

Emission Unit Description:

Residual chloroform, an artifact of the disinfection of this facility's plating wastewater treatment process, is stripped from this effluent. Stripping is performed in five sparging units and at times, a packed bed stripper is utilized.

Building(s): 104  
5

**Condition 56: Air pollution prohibited**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 56.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 1-8: Compliance Demonstration**

**Effective between the dates of 04/30/2004 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 227-1.4**

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any person subject to the provisions of this section shall record and maintain a file of such measurements and operating data, as may be required by the commissioner.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 57: Emission Point Definition By Emission Unit**  
Effective between the dates of 10/28/2003 and Permit Expiration Date

**Applicable State Requirement: 6NYCRR 201-5**

**Item 57.1(From Mod 3):**

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

Emission Unit: 1-COATS

Emission Point: 00505

Height (ft.): 30

Diameter (in.): 18

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 23A

Emission Point: 00540

Height (ft.): 32

Diameter (in.): 16

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

**Item 57.2(From Mod 3):**

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

Emission Unit: 1-PMSRC

Emission Point: 00006

Height (ft.): 12

Diameter (in.): 24

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 107

Emission Point: 00018

Height (ft.): 26

Diameter (in.): 24

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 23A

Emission Point: 00019

Height (ft.): 26

Diameter (in.): 33

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 23A

Emission Point: 00020

Height (ft.): 26

Diameter (in.): 34

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 23A

Emission Point: 00021

Height (ft.): 28

Diameter (in.): 28

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 20



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Emission Point: 00022  
Height (ft.): 30 Diameter (in.): 34  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00025  
Height (ft.): 29 Diameter (in.): 33  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00026  
Height (ft.): 31 Diameter (in.): 3  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00028  
Height (ft.): 26 Diameter (in.): 22  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00035  
Height (ft.): 29 Diameter (in.): 24  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00038  
Height (ft.): 29 Diameter (in.): 30  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00039  
Height (ft.): 28 Diameter (in.): 33  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00041  
Height (ft.): 23 Diameter (in.): 28  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00042  
Height (ft.): 30 Diameter (in.): 26  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00043  
Height (ft.): 26 Diameter (in.): 30  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00044  
Height (ft.): 30 Diameter (in.): 30  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00045  
Height (ft.): 24 Diameter (in.): 32



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NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00046

Height (ft.): 30

Diameter (in.): 36

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00049

Height (ft.): 30

Diameter (in.): 36

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00056

Height (ft.): 24

Diameter (in.): 38

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00355

Height (ft.): 30

Diameter (in.): 32

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 105

Emission Point: 00420

Height (ft.): 31

Diameter (in.): 6

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 104

Emission Point: 00619

Height (ft.): 20

Diameter (in.): 32

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

Emission Point: 00703

Height (ft.): 32

Diameter (in.): 20

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 20

**Item 57.3(From Mod 1):**

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

Emission Unit: 1-BOILR

Emission Point: 00100

Height (ft.): 80

Diameter (in.): 72

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 45

**Item 57.4(From Mod 1):**

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

Emission Unit: 1-PLATE

Emission Point: 00900

Height (ft.): 45

Diameter (in.): 36

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26



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Emission Point: 00901  
Height (ft.): 44 Diameter (in.): 30  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00902  
Height (ft.): 45 Diameter (in.): 24  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00903  
Height (ft.): 43 Diameter (in.): 36  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00904  
Height (ft.): 43 Diameter (in.): 26  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00910  
Height (ft.): 37 Diameter (in.): 26  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00914  
Height (ft.): 38 Diameter (in.): 24  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 00915  
Height (ft.): 40 Diameter (in.): 24  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

Emission Point: 0901A  
Height (ft.): 33 Diameter (in.): 18  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 26

**Item 57.5(From Mod 1):**

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

Emission Unit: 1-PMSRC

Emission Point: 00027  
Height (ft.): 14 Diameter (in.): 12  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 2A

Emission Point: 00517  
Height (ft.): 23 Diameter (in.): 37  
NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 24

**Item 57.6(From Mod 1):**



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

Emission Unit: 1-QUNCH

Emission Point: 00300

Height (ft.): 49

Diameter (in.): 32

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 3A

**Item 57.7(From Mod 1):**

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

Emission Unit: 1-RCVRY

Emission Point: 00409

Height (ft.): 24

Diameter (in.): 20

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 5

Emission Point: 00410

Height (ft.): 34

Diameter (in.): 18

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 104

**Item 57.8(From Mod 1):**

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

Emission Unit: 1-STRIP

Emission Point: 00411

Height (ft.): 19

Diameter (in.): 49

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 104

Emission Point: 0411A

Height (ft.): 29

Diameter (in.): 18

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 5

Emission Point: 0411B

Height (ft.): 23

Diameter (in.): 18

NYTMN (km.): 4769.761 NYTME (km.): 451.001 Building: 5

**Condition 58: Process Definition By Emission Unit**

**Effective between the dates of 10/28/2003 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 58.1(From Mod 3):**

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

Emission Unit: 1-BOILR



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Process: B01

Source Classification Code: 1-02-006-02

Process Description:

Three 51.035 MMBtu/hr natural gas-fired boilers are used to produce steam for process and heat.

Emission Source/Control: B0001 - Combustion

Design Capacity: 51.035 million Btu per hour

Emission Source/Control: B0002 - Combustion

Design Capacity: 51.035 million Btu per hour

Emission Source/Control: B0003 - Combustion

Design Capacity: 51.035 million Btu per hour

**Item 58.2(From Mod 3):**

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

Emission Unit: 1-BOILR

Process: B02

Source Classification Code: 1-02-004-02

Process Description:

Three 51.035 MMBtu/hr #6 fuel oil-fired boilers are used to produce steam for process and heat.

Emission Source/Control: B0001 - Combustion

Design Capacity: 51.035 million Btu per hour

Emission Source/Control: B0002 - Combustion

Design Capacity: 51.035 million Btu per hour

Emission Source/Control: B0003 - Combustion

Design Capacity: 51.035 million Btu per hour

**Item 58.3(From Mod 3):**

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

Emission Unit: 1-BOILR

Process: B03

Source Classification Code: 1-02-005-02

Process Description:

Three 51.035 MMBtu/hr # 2 fuel oil-fired boilers are used to produce steam for process and heat.

Emission Source/Control: B0001 - Combustion

Design Capacity: 51.035 million Btu per hour

Emission Source/Control: B0002 - Combustion

Design Capacity: 51.035 million Btu per hour



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Emission Source/Control: B0003 - Combustion

Design Capacity: 51.035 million Btu per hour

**Item 58.4(From Mod 3):**

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

Emission Unit: 1-COATS

Process: 001

Process Description:

This process consists of three black oxide metal treatment (alkaline) processes for the black coloration of stainless steel flatware. The alkaline product used is 'Black Magic'. This process is a true conversion coating formed when oxidizing salts chemically react with a ferrous alloy to form magnetite, the black oxide of iron.

Emission Source/Control: COAT1 - Process

Emission Source/Control: COAT2 - Process

Emission Source/Control: COAT3 - Process

**Item 58.5(From Mod 3):**

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

Emission Unit: 1-PLATE

Process: PL1

Source Classification Code: 3-09-010-03

Process Description:

Plating line #2, as well as the knife-plating line both exhaust to EP00904. Plating line #4 exhausts to EP00902. All three lines plate nickel underneath and silver on top.

Emission Source/Control: 2PLTR - Process

Emission Source/Control: 4PLTR - Process

Emission Source/Control: KNFPL - Process

**Item 58.6(From Mod 3):**

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

Emission Unit: 1-PLATE

Process: PL2

Source Classification Code: 3-09-010-98

Process Description:

This process consists of two plating lines. The 'gold' plating line exhausts to EP00900. A 'select gold' plating

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line exhausts to EP00901, EP0901A and EP00910.

Emission Source/Control: GLDPL - Process

Emission Source/Control: SGLDP - Process

**Item 58.7(From Mod 3):**

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

Emission Unit: 1-PLATE

Process: PL3

Source Classification Code: 3-09-010-97

Process Description:

This 'miscellaneous hand plate' is a low-throughput silver plating line that exhausts to EP00903, EP00914 and EP00915.

Emission Source/Control: MHNDP - Process

**Item 58.8(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P01

Process Description:

This process includes equipment used to make specialized cloth/abrasive grinding wheels. Emissions from this process exhaust through a dry rotocolone and to EP00006.

Emission Source/Control: RC006 - Control

Control Type: CENTRIFUGAL

Emission Source/Control: ES006 - Process

**Item 58.9(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P02

Process Description:

This process consists of the automatic buffing and grinding of tableware. The equipment used includes auto nips, edgers, shankers, belt tines, wet grinders and lathes. The PM emissions from this process exhaust through rotoclones and to EP00018, EP00019, EP00020, EP00355 and EP00703.

Emission Source/Control: RC018 - Control

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Control Type: CENTRIFUGAL

Emission Source/Control: RC019 - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: RC020 - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: RC355 - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: 13001 - Process

Emission Source/Control: 13002 - Process

Emission Source/Control: 13003 - Process

Emission Source/Control: 13004 - Process

Emission Source/Control: 13005 - Process

Emission Source/Control: 13006 - Process

Emission Source/Control: 13008 - Process

Emission Source/Control: 13009 - Process

Emission Source/Control: 13010 - Process

Emission Source/Control: 13011 - Process

Emission Source/Control: 13012 - Process

Emission Source/Control: 13013 - Process

Emission Source/Control: 13014 - Process

Emission Source/Control: 13015 - Process

Emission Source/Control: 13016 - Process

Emission Source/Control: 13017 - Process

Emission Source/Control: 13018 - Process

Emission Source/Control: 13028 - Process

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- Emission Source/Control: 13029 - Process
- Emission Source/Control: 13030 - Process
- Emission Source/Control: 13031 - Process
- Emission Source/Control: 13048 - Process
- Emission Source/Control: 13049 - Process
- Emission Source/Control: 13050 - Process
- Emission Source/Control: 45001 - Process
- Emission Source/Control: 45002 - Process
- Emission Source/Control: 45004 - Process
- Emission Source/Control: 45014 - Process
- Emission Source/Control: 45021 - Process
- Emission Source/Control: 45025 - Process
- Emission Source/Control: 45030 - Process
- Emission Source/Control: 45033 - Process
- Emission Source/Control: 45035 - Process
- Emission Source/Control: 45036 - Process
- Emission Source/Control: 45191 - Process
- Emission Source/Control: 45194 - Process
- Emission Source/Control: 45195 - Process
- Emission Source/Control: 45200 - Process
- Emission Source/Control: 45210 - Process
- Emission Source/Control: 45222 - Process
- Emission Source/Control: 50164 - Process
- Emission Source/Control: 51002 - Process



- Emission Source/Control: 51003 - Process
- Emission Source/Control: 51014 - Process
- Emission Source/Control: 51015 - Process
- Emission Source/Control: 51016 - Process
- Emission Source/Control: 51017 - Process
- Emission Source/Control: 51032 - Process
- Emission Source/Control: 51045 - Process
- Emission Source/Control: 51048 - Process
- Emission Source/Control: 51061 - Process
- Emission Source/Control: 51068 - Process
- Emission Source/Control: 60001 - Process
- Emission Source/Control: 60002 - Process
- Emission Source/Control: 60015 - Process
- Emission Source/Control: 60019 - Process
- Emission Source/Control: 60028 - Process
- Emission Source/Control: 60029 - Process
- Emission Source/Control: 60058 - Process
- Emission Source/Control: 60060 - Process
- Emission Source/Control: 60062 - Process
- Emission Source/Control: 60063 - Process
- Emission Source/Control: 60064 - Process
- Emission Source/Control: 60065 - Process
- Emission Source/Control: 60066 - Process



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Emission Source/Control: 60067 - Process

Emission Source/Control: 61001 - Process

Emission Source/Control: 61002 - Process

Emission Source/Control: 61003 - Process

Emission Source/Control: 61004 - Process

Emission Source/Control: 70011 - Process

Emission Source/Control: 70020 - Process

Emission Source/Control: 71002 - Process

Emission Source/Control: 71004 - Process

Emission Source/Control: 71005 - Process

Emission Source/Control: 71031 - Process

Emission Source/Control: 71032 - Process

**Item 58.10(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P03

Process Description:

This process consists of both automatic and hand buffing of tableware. The primary equipment used in this process are double index machines. The emissions from this process exhaust to EP00022 and EP00038.

Emission Source/Control: BH022 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH038 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 45006 - Process

Emission Source/Control: 45007 - Process

Emission Source/Control: 45102 - Process



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Emission Source/Control: 45126 - Process

Emission Source/Control: 45128 - Process

Emission Source/Control: 45129 - Process

Emission Source/Control: 45131 - Process

Emission Source/Control: 45146 - Process

Emission Source/Control: 45153 - Process

Emission Source/Control: 45203 - Process

Emission Source/Control: 45249 - Process

Emission Source/Control: 45274 - Process

Emission Source/Control: 45281 - Process

Emission Source/Control: 45282 - Process

Emission Source/Control: 45283 - Process

Emission Source/Control: 45284 - Process

**Item 58.11(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P04

Process Description:

This process consists of both automatic and hand buffing of tableware. The primary equipment used are index and emery/compound machines. The emissions from this process exhaust to EP00021, EP00025, EP00039 and EP00049.

Emission Source/Control: BH021 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH025 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH039 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH049 - Control



Control Type: FABRIC FILTER

Emission Source/Control: 45068 - Process

Emission Source/Control: 45076 - Process

Emission Source/Control: 45082 - Process

Emission Source/Control: 45094 - Process

Emission Source/Control: 45100 - Process

Emission Source/Control: 45106 - Process

Emission Source/Control: 45112 - Process

Emission Source/Control: 45118 - Process

Emission Source/Control: 45120 - Process

Emission Source/Control: 45121 - Process

Emission Source/Control: 45123 - Process

Emission Source/Control: 45149 - Process

Emission Source/Control: 45150 - Process

Emission Source/Control: 45167 - Process

Emission Source/Control: 45168 - Process

Emission Source/Control: 45203 - Process

Emission Source/Control: 45207 - Process

Emission Source/Control: 45208 - Process

Emission Source/Control: 45213 - Process

Emission Source/Control: 45215 - Process

Emission Source/Control: 45270 - Process

Emission Source/Control: 45273 - Process

Emission Source/Control: 45303 - Process



- Emission Source/Control: 45304 - Process
- Emission Source/Control: 50060 - Process
- Emission Source/Control: 50061 - Process
- Emission Source/Control: 50156 - Process
- Emission Source/Control: 50157 - Process
- Emission Source/Control: 51028 - Process
- Emission Source/Control: 51030 - Process
- Emission Source/Control: 51031 - Process
- Emission Source/Control: 51032 - Process
- Emission Source/Control: 52005 - Process
- Emission Source/Control: 60021 - Process
- Emission Source/Control: 60022 - Process
- Emission Source/Control: 60024 - Process
- Emission Source/Control: 60037 - Process
- Emission Source/Control: 60038 - Process
- Emission Source/Control: 60043 - Process
- Emission Source/Control: 60053 - Process
- Emission Source/Control: 60054 - Process
- Emission Source/Control: 60055 - Process
- Emission Source/Control: 61006 - Process
- Emission Source/Control: 61007 - Process
- Emission Source/Control: 61008 - Process
- Emission Source/Control: 61609 - Process

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**Item 58.12(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P06

Process Description:

This process consists of both automatic and hand buffing of tableware. The primary equipment used in this process are index machines, shankers, belt tines, lathes and edgers. The emissions from this process exhaust to EP00028, EP00035, EP00042, EP00043, EP00044, EP00045, EP00046 and EP00056.

Emission Source/Control: BH028 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH035 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH042 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH043 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH044 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH045 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH046 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH056 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 30008 - Process

Emission Source/Control: 45003 - Process

Emission Source/Control: 45008 - Process

Emission Source/Control: 45009 - Process

Emission Source/Control: 45011 - Process

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- Emission Source/Control: 45017 - Process
- Emission Source/Control: 45022 - Process
- Emission Source/Control: 45026 - Process
- Emission Source/Control: 45053 - Process
- Emission Source/Control: 45054 - Process
- Emission Source/Control: 45061 - Process
- Emission Source/Control: 45065 - Process
- Emission Source/Control: 45069 - Process
- Emission Source/Control: 45071 - Process
- Emission Source/Control: 45072 - Process
- Emission Source/Control: 45073 - Process
- Emission Source/Control: 45074 - Process
- Emission Source/Control: 45104 - Process
- Emission Source/Control: 45108 - Process
- Emission Source/Control: 45114 - Process
- Emission Source/Control: 45130 - Process
- Emission Source/Control: 45134 - Process
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- Emission Source/Control: 45142 - Process
- Emission Source/Control: 45144 - Process



- Emission Source/Control: 45145 - Process
- Emission Source/Control: 45165 - Process
- Emission Source/Control: 45189 - Process
- Emission Source/Control: 45244 - Process
- Emission Source/Control: 45248 - Process
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- Emission Source/Control: 45268 - Process
- Emission Source/Control: 45272 - Process
- Emission Source/Control: 45285 - Process
- Emission Source/Control: 45288 - Process
- Emission Source/Control: 45308 - Process
- Emission Source/Control: 45310 - Process
- Emission Source/Control: 60003 - Process



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Emission Source/Control: 60007 - Process

Emission Source/Control: 60008 - Process

Emission Source/Control: 60010 - Process

Emission Source/Control: 60011 - Process

Emission Source/Control: 60012 - Process

Emission Source/Control: 60013 - Process

Emission Source/Control: 60018 - Process

Emission Source/Control: 60020 - Process

Emission Source/Control: 60031 - Process

Emission Source/Control: 60039 - Process

Emission Source/Control: 60051 - Process

Emission Source/Control: 60056 - Process

Emission Source/Control: 61009 - Process

Emission Source/Control: 61013 - Process

Emission Source/Control: 71003 - Process

Emission Source/Control: 71030 - Process

**Item 58.13(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P07

Process Description:

This process consists of automatic and hand buffing of tableware. The primary equipment used in this process are index machines, but also bead blast units. The emissions from this process exhaust to BH041.

Emission Source/Control: BH041 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 45042 - Process

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Emission Source/Control: 45043 - Process

Emission Source/Control: 45044 - Process

Emission Source/Control: 45045 - Process

Emission Source/Control: 45046 - Process

Emission Source/Control: 45047 - Process

Emission Source/Control: 45048 - Process

Emission Source/Control: 45049 - Process

Emission Source/Control: 45050 - Process

Emission Source/Control: 80039 - Process

**Item 58.14(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P08

Process Description:

In this process, lime is added into a hopper to create a lime slurry for wastewater treatment.

Emission Source/Control: BH420 - Control

Control Type: FABRIC FILTER

Emission Source/Control: ES420 - Process

**Item 58.15(From Mod 3):**

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

Emission Unit: 1-PMSRC

Process: P09

Process Description:

This process consists of the automatic buffing and grinding of tableware. The equipment used includes emery/compounds, edgers and shankers. The emissions from this process exhaust through baghouse BH026 and to EP00026.

Emission Source/Control: BH026 - Control

Control Type: FABRIC FILTER



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Emission Source/Control: 51020 - Process

Emission Source/Control: 51036 - Process

Emission Source/Control: 51037 - Process

Emission Source/Control: 60009 - Process

Emission Source/Control: 60025 - Process

Emission Source/Control: 60026 - Process

Emission Source/Control: 60030 - Process

Emission Source/Control: 60033 - Process

Emission Source/Control: 60034 - Process

Emission Source/Control: 60052 - Process

Emission Source/Control: 60059 - Process

Emission Source/Control: 61006 - Process

Emission Source/Control: 61011 - Process

Emission Source/Control: 61017 - Process

Emission Source/Control: 61018 - Process

**Item 58.16(From Mod 3):**

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

Emission Unit: 1-RCVRY

Process: R01

Source Classification Code: 3-09-012-04

Process Description:

This process recovers silver from solution after a silverplate-stripping operation has been performed.

Emission Source/Control: SCRUB - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: SRCVY - Process

**Item 58.17(From Mod 3):**

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



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Emission Unit: 1-RCVRY

Process: R02

Source Classification Code: 3-09-012-03

Process Description:

This acidification tank is used in the reclamation of silver chloride.

Emission Source/Control: SCRCL - Process

**Item 58.18(From Mod 3):**

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

Emission Unit: 1-STRIP

Process: S01

Source Classification Code: 3-01-820-01

Process Description:

During cooler winter months and as an assist to process S02, effluent from the wastewater treatment plant (plantwide process wastewater, including plating effluent) is directed through a packed bed stripper to strip out chloroform that was created as an artifact of the water treatment process. Chloroform is created from the application of chlorine to the cyanide-bearing wastewater. This process exhausts to EP00411.

Characteristics: Max wastewater handling capacity is 100,000 gal/day. Influent chloroform content is 2,000 ppb. Max emitted chloroform is 2 lb/day or 400 lb/yr.

Emission Source/Control: STRP1 - Process

**Item 58.19(From Mod 3):**

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

Emission Unit: 1-STRIP

Process: S02

Source Classification Code: 3-01-820-01

Process Description:

Effluent from the wastewater treatment plant (plantwide process wastewater, including plating effluent) is directed through 5 air sparging units to strip out chloroform that had been created as an artifact of the treatment process. Three sparging units exhaust to EP0411A and two others exhaust to EP0411B.

Emission Source/Control: STRP2 - Process

Emission Source/Control: STRP3 - Process