





**New York State Department of Environmental Conservation**  
**Facility DEC ID: 3335200145**

are oxidized to the slag while lead is refined to produce a low impurity lead metal. The lead metal is tapped either into molds or directly into refining kettles which are designed to convert the metal produced by the furnace into ingots of specific contents required by customer specifications. Two basic types of metal are produced in the refinery: "Hard Lead" and "Soft Lead." Hard lead contains relatively high amounts of alloying agents such as antimony, and soft lead is nearly pure lead. The compositions of these alloys are adjusted in the refining process to provide for the physical and metallurgical characteristics to satisfy customer requirements.

Revere also operates a crystallizer process which converts liquor from the onsite sulfur dioxide wet scrubber and neutralized battery electrolyte into sodium sulfate crystals which are sold on the open market.

**Emission Sources**

The main source of emissions at the facility are lead processing activities which include:

- Kiln drying of lead containing material;
- Smelting of dried lead containing material;
- Slag Casting;
- Refining Kettles; and
- Material Handling & Storage.

The lead processing areas are kept under negative pressure to ensure that no fugitive lead emissions are released from the facility. All point sources are controlled by baghouses. A scrubber is employed to remove sulfur dioxide from the reverberatory furnace.

Two diesel generators are used to provide supplemental power when requested by the utility company, and during power outages. The operation of these units is limited to 500 hours per year.

Revere is subject to Title V permitting since emissions of sulfur dioxide and oxides of nitrogen exceed major stationary source thresholds defined by 6NYCRR 201.

The Standard Industrial Classification representative of this facility is 3341 - Secondary Nonferrous Metals.

Revere is subject to numerous monitoring, recordkeeping and reporting requirements defined under 40 CFR 63-A, 40 CFR 63-X, 40 CFR 60-L, 6 NYCRR 201, 6 NYCRR 212, 6 NYCRR 225 and 6 NYCRR 227.

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:           KENNETH R GRZYB  
  NYSDEC REGION 3  
  21 SOUTH PUTT CORNERS RD  
  NEW PALTZ, NY 12561

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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 3  
HEADQUARTERS  
Submission of application for permit modification or renewal-REGION 3  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Item 2.1:**

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

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

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**



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

**Condition 4: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 4.1:**

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

**Item 4.2:**

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

**Item 4.3:**

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

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

**Item 5.1:**

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

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

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

**Item 6.1:**

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

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

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

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

**Condition 7: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 7.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 3 Headquarters  
Division of Environmental Permits  
21 South Putt Corners Road  
New Paltz, NY 12561-1696  
(845) 256-3054

**Condition 8: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 8.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 3 Headquarters  
Division of Environmental Permits  
21 South Putt Corners Road  
New Paltz, NY 12561-1696  
(845) 256-3054



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: REVERE SMELTING & REFINING CORP  
2777 STEMMINS FREEWAY - SUITE 1800  
DALLAS, TX 75207

Facility: REVERE SMELTING & REFINING CORP  
65 BALLARD RD  
MIDDLETOWN, NY 10941

Authorized Activity By Standard Industrial Classification Code:  
3341 - SECONDARY NONFERROUS METALS

Permit Effective Date:

Permit Expiration Date:



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 22 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 201-6: Emission Unit Definition
- 24 6NYCRR 212.4(c): Compliance Certification
- 25 6NYCRR 212.5(b): Compliance Certification
- 26 6NYCRR 212.6(a): Compliance Certification
- 27 6NYCRR 212.10: Compliance Certification
- 28 6NYCRR 212.11(b)(5): Compliance Certification
- 29 6NYCRR 225-1.2(a)(2): Compliance Certification
- 30 6NYCRR 227-1.3(a): Compliance Certification
- 31 40CFR 60.122(a), NSPS Subpart L: Compliance Certification
- 32 40CFR 60.122(a), NSPS Subpart L: Compliance Certification
- 33 40CFR 60.122(b), NSPS Subpart L: Compliance Certification
- 34 40CFR 63.10, Subpart A: § 63.10(b) General Recordkeeping Requirements
- 35 40CFR 63.10, Subpart A: §63.10(d) General Reporting Requirements
- 36 40CFR 63.10, Subpart A: Compliance Certification
- 37 40CFR 63.541(b), Subpart X: Compliance Certification
- 38 40CFR 63.543, Subpart X: Compliance Certification
- 39 40CFR 63.544, Subpart X: Compliance Certification



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40 40CFR 63.544(b), Subpart X: Compliance Certification

41 40CFR 63.545, Subpart X: Compliance Certification

42 40CFR 63.548, Subpart X: Compliance Certification

**Emission Unit Level**

43 6NYCRR 201-6: Emission Point Definition By Emission Unit

44 6NYCRR 201-6: Process Definition By Emission Unit

**EU=1-0LEAD**

45 6NYCRR 212.10: Compliance Certification

**EU=3-GENER**

46 6NYCRR 227-2.1(a)(6): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

47 ECL 19-0301: Contaminant List

48 6NYCRR 201-1.4: Unavoidable noncompliance and violations

49 6NYCRR 211.2: Air pollution prohibited



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

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

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to

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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

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

**Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

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

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

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order to maintain compliance with the conditions of this permit.

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

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

**Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**

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

**Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)**

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

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Act;

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

**Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

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

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

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

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

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

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



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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1.1:**

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



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

**Condition 2: Fees**  
**Effective for entire length of Permit**

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

**Item 2.1:**

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

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective for entire length of Permit**

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

**Item 3.1:**

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

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

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

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**  
**Effective for entire length of Permit**

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

**Item 4.1:**

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



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

**Condition 5: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
  - and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
  
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
  
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
  
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch

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290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road  
New Paltz, NY 12561-1696

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2007.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective for entire length of Permit**

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

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

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

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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

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

**Condition 8: Recordkeeping requirements**  
**Effective for entire length of Permit**



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

**Item 8.1:**

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

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

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

**Condition 9:    Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 9.1:**

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

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

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

**Condition 10:    Maintenance of Equipment**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 10.1:**

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

**Condition 11:    Recycling and Salvage**  
**Effective for entire length of Permit**



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

**Item 11.1:**

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

**Condition 22: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective for entire length of Permit**

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

**Item 22.1:**

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

**Condition 12: Exempt Sources - Proof of Eligibility**  
**Effective for entire length of Permit**

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

**Item 12.1:**

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

**Condition 13: Trivial Sources - Proof of Eligibility**  
**Effective for entire length of Permit**

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

**Item 13.1:**

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

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



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**Effective for entire length of Permit**

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

**Item 14.1:**

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

**Condition 15: General Condition - Right to Inspect**  
**Effective for entire length of Permit**

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

**Item 15.1:**

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

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

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

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

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

**Condition 16: Standard Requirements - Progress Reports**  
**Effective for entire length of Permit**

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

**Item 16.1:**

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

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



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

**Condition 17: Off Permit Changes**  
**Effective for entire length of Permit**

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

**Item 17.1:**

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

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

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

**Condition 18: Required Emissions Tests**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 18.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 19: Visible Emissions Limited**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 19.1:**



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

**Condition 20: Accidental release provisions.  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 68**

**Item 20.1:**

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

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

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

**Condition 21: Recycling and Emissions Reduction  
Effective for entire length of Permit**

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

**Item 21.1:**

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

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

**Condition 23: Emission Unit Definition**

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**Effective for entire length of Permit**

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

**Item 23.1:**

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

Emission Unit: 1-0LEAD

Emission Unit Description:

THIS EMISSION UNIT INCLUDES: REVERBERATORY FURNACE SYSTEM, SLAG CASTING, ROTARY DRYING KILN, REFINING KETTLES AND ASSOCIATED MATERIAL HANDLING EQUIPMENT. A NEGATIVE PRESSURE SYSTEM IS USED AT THE FACILITY TO CONTROL PROCESS SOURCES (63.543), PROCESS FUGITIVE SOURCES (63.544) AND FUGITIVE DUST SOURCES (63.545). COLLECTED AIR FROM ASSOCIATED SOURCES ARE VENTED TO THIRTEEN (13) SEPERATE BAGHOUSE UNITS TO CONTROL LEAD EMISSIONS.

NINE (9) BAGHOUSE UNITS ARE USED TO CONTROL LEAD EMISSIONS ASSOCIATED WITH THE YARD BUILDING AREAS, REFINING AREAS, LEAD TAP AND FEED ROOM. EIGHT (8) OF THESE NINE (9) BAGHOUSE UNITS ARE PULSE TYPE HEPA FILTERS (PERMIT ID B6, B7, B8, B9, B10, B11, B12, B13) WITH ONE (1) BAGHOUSE UNIT (PERMIT ID B5) SITUATED UPSTREAM OF HEPA UNITS B6 AND B7.

THE REMAINING FOUR (4) BAGHOUSE UNITS (PERMIT ID B1, B2, B3 AND B4) CONTROL LEAD EMISSIONS FROM PROCESS SOURCES INCLUDING REVERBERATORY FURNACE SYSTEM, SLAG CASTING, ROTARY KILN, REFINERY KETTLES AND ASSOCIATED MATERIAL HANDLING EQUIPMENT.

A SCRUBBER IS USED REMOVE SULFUR FROM THE REVERBERATORY FURNACE GAS STREAM. A 97% CONTROL EFFICIENCY OF SUFUR DIOXIDE EMISSIONS IS REQUIRED.

Building(s): MAIN  
YARD

**Item 23.2:**

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

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Emission Unit: 2-CRYST

Emission Unit Description:

SODIUM SULFATE CRYSTALLIZER OPERATION WHICH CONVERTS LIQUOR FROM THE ONSITE SULFUR DIOXIDE WET SCRUBBER (S1) AND NEUTRALIZED BATTERY ELECTROLYTE INTO SODIUM SULFATE CRYSTALS.

THIS EMISSION UNIT CONSIST OF TWO PROCESS LINES INCLUDING THE SPRAY DRYER EQUIPPED WITH A BAGHOUSE (EP00024) AND THE DRYER, CYCLONE AND SCRUBBER (EP00014). SODIUM SULFATE PRODUCT IS STORED IN THREE SILOS. THE SILOS ARE EXEMPT SINCE THEY ARE CONNECTED IN SERIES AND VENTED THROUGH A BAGHOUSE COLLECTOR.

THE CRYSTALLIZER OPERATION UTILIZES AN EXEMPT EMERGENCY GENERATOR (EP00020) TO SUPPLY ELECTRIC DURING PERIODS WHEN UTILITY SERVICE IS UNAVAILABLE.

Building(s): CRYST

**Item 23.3:**

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

Emission Unit: 3-GENER

Emission Unit Description:

TWO 30 mmBTU/hr DIESEL GENERATORS ARE USED TO PROVIDE SUPPLEMENTAL POWER WHEN REQUESTED BY THE UTILITY COMPANY, AND DURING POWER OUTAGES. THESE GENERATORS ARE LIMITED TO 500 HOURS (ANNUAL 12 MONTH ROLLING AVERAGE) AS PER APPROVED NOX RACT PLAN.

Building(s): MAIN

**Item 23.4:**

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

Emission Unit: 4-BOILR

Emission Unit Description:

A 12.5 MMBTU/HR BOILER (EP00015) IS USED TO SUPPLY PROCESS HEAT NEEDED TO OPERATE THE CRYSTALLIZATION PROCESS. THE BOILER FIRES NATURAL GAS AND IS EQUIPPED WITH LOW NOX BURNERS AND FLUE GAS RECIRCULATION AS STIPULATED BY THE APPROVED NOX RACT PLAN.



Building(s): CRYST

**Condition 24: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 24.1:**

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

Emission Unit: 1-0LEAD Emission Point: 00002

Emission Unit: 1-0LEAD Emission Point: 00004

Emission Unit: 1-0LEAD Emission Point: 00007

Emission Unit: 1-0LEAD Emission Point: 00008

Emission Unit: 1-0LEAD Emission Point: 00009

Emission Unit: 1-0LEAD Emission Point: 00010

Emission Unit: 1-0LEAD Emission Point: 00011

Emission Unit: 2-CRYST Emission Point: 00014

Emission Unit: 2-CRYST Emission Point: 00024

Emission Unit: 1-0LEAD Emission Point: 00001

Emission Unit: 1-0LEAD Emission Point: 00012

Emission Unit: 1-0LEAD Emission Point: 00016

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than  
0.050 grains of particulate per cubic foot of exhaust gas,  
expressed at standard conditions on a dry gas basis.



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Compliance testing shall be conducted at the request of the Department.

At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after completion of compliance testing.

Compliance test for emissions of particulate shall be conducted using 40CFR Part 60, Appendix A, Method 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 25: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.5(b)**

**Item 25.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00001

Emission Unit: 1-0LEAD Emission Point: 00017

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The sum of sulfur dioxide emissions from Emission Points 00001 and 00017 shall be controlled at 97%. Compliance testing shall be demonstrated once per permit term.

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At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after completion of compliance testing.

Compliance test to determine control of sulfur dioxide emissions shall be conducted using 40CFR Part 60, Appendix A, Method 6.

Manufacturer Name/Model Number: Unk

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 97 percent

Reference Test Method: Method 6

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED

VALUE AT ANY TIME

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 26: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00004

Emission Unit: 1-0LEAD Emission Point: 00007

Emission Unit: 1-0LEAD Emission Point: 00008

Emission Unit: 1-0LEAD Emission Point: 00009

Emission Unit: 1-0LEAD Emission Point: 00010

Emission Unit: 1-0LEAD Emission Point: 00011

Emission Unit: 1-0LEAD Emission Point: 00001

Emission Unit: 2-CRYST Emission Point: 00014

Emission Unit: 2-CRYST Emission Point: 00024



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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 26.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Revere is prohibited from causing or allowing emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 27: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.10**

**Item 27.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00001

Emission Unit: 1-0LEAD Emission Point: 00017

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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

**Item 27.2:**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

NOx emissions from the rotary kiln (EP 00001) shall not exceed 5.04 lbs/hr per operating hour based on a twelve month rolling average.

In support of documenting compliance, Revere shall continue to submit a Continuous Emissions Monitoring (CEM) summary report for the rotary kiln (EP 00001) and scrubber (EP 00017). The summary report shall be submitted semi-annually and contain the following information:

1. Daily tabulation of actual continuous monitor system (CMS) operation time;
2. Daily tabulation of CMS downtime;
3. Summary outlining cause of CMS downtime;
4. Daily tabulation of measured SO<sub>2</sub> emissions in terms of ppm and lbs/hr;
5. Daily tabulation of measured NO<sub>x</sub> emissions in terms of ppm and lbs/hr;
6. Identification of any exceedances and description of corrective action; and
7. Information on any changes to process equipment, control or CMS components.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 5.04 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month rolling average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 28: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.11(b)(5)**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Revere shall continue to operate Continuous Emission Monitors (CEMs) and or Continuous Opacity Monitors (COMs) systems as follows.

Kiln Dryer Stack EP 00001

CEM - NO<sub>x</sub>, SO<sub>x</sub>, Flow

COM

Kettle Stack EP 00002

COM

Reverberatory Furnace Stack EP 00017

CEM - NO<sub>x</sub>, SO<sub>x</sub>, Flow

CEMs systems shall conform with design and performance criteria outlined in 40 CFR 60 Appendix A. CEMs shall be operated in accordance with Quality Assurance Procedures outlined by 40 CFR 60, Appendix F. This includes, but not limited to, implementing a Quality Control Program (40 CFR 60-F.1), quarterly Data Accuracy Assessment (40 CFR 60-F.5) and Reporting Requirements (40 CFR 60-F.7).

Operation of COM systems shall comply with 40 CFR 60, Appendix B - Performance Specification 1.

Continuous monitors must be operated at all times when the associated process equipment is operating except during any quality assurance and routine maintenance activities.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 29: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

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**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall not sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity exceeding 1.5% by weight. Records of all fuel deliveries shall be maintained by the facility including a certification by the vendor verifying sulfur in fuel content.

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 EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 30: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 3-GENER Emission Point: 00006

Emission Unit: 3-GENER Emission Point: 00005

Emission Unit: 4-BOILR Emission Point: 00015

**Item 30.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall



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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.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

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.

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

**Condition 31: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.122(a), NSPS Subpart L**

**Item 31.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00017

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates from the reverberatory furnace are limited to less than 0.022 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing shall be conducted at the request of the Department.

At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after

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completion of compliance testing.

Compliance test for emissions of particulate shall be conducted using 40CFR Part 60, Appendix A, Method 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.022 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 32: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.122(a), NSPS Subpart L**

**Item 32.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00012

Emission Unit: 1-0LEAD Emission Point: 00016

Emission Unit: 1-0LEAD Emission Point: 00017

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Revere is prohibited from causing or allowing emissions having an average opacity during any six consecutive minutes of 20 percent or greater from the reverberatory furnace emission source, except only the emission of uncombined water.

The Department reserves the right to perform or require

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the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 33: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.122(b), NSPS Subpart L**

**Item 33.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 33.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Revere is prohibited from causing or allowing emissions having an average opacity during any six consecutive minutes of 10 percent or greater from the refining kettles, except only the emission of uncombined water. Revere shall continue to operate a Continuous Opacity Monitor associated with EP 00002 to assure compliance.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent



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Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 34: § 63.10(b) General Recordkeeping Requirements  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.10, Subpart A**

**Item 34.1:**

The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. At a minimum the most recent 2 years of data shall be retained on site. The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records for such source as described in 40 CFR 63.10 (b)(2).

**Condition 35: §63.10(d) General Reporting Requirements  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.10, Subpart A**

**Item 35.1:**

The owner or operator of an affected source subject to the reporting requirements under the general provisions shall submit reports to the Department in accordance with the reporting requirements in the relevant standards as described in 40 CFR 63.10 (d).

**Condition 36: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.10, Subpart A**

**Item 36.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD

Process: FRN

Emission Source: 000B1

Emission Unit: 1-0LEAD

Process: REF

Emission Source: 000B1



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Emission Unit: 1-0LEAD  
Process: SLG                      Emission Source: 000B1

Emission Unit: 1-0LEAD  
Process: FRN                      Emission Source: 000B2

Emission Unit: 1-0LEAD  
Process: MHS                      Emission Source: 000B2

Emission Unit: 1-0LEAD  
Process: REF                      Emission Source: 000B2

Emission Unit: 1-0LEAD  
Process: SLG                      Emission Source: 000B2

Emission Unit: 1-0LEAD  
Process: DRY                      Emission Source: 000B3

Emission Unit: 1-0LEAD  
Process: REF                      Emission Source: 000B4

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Revere is subject to the Recordkeeping and Reporting requirements of 40 CFR 63.10 specific to Continuous Monitoring Systems defined as leak detection equipped baghouses B1, B2, B3 and B4. Additional requirements for monitoring and operation of bag leak detection system are defined under 40 CFR 63.548(e).

Pursuant to 40 CFR 63.10(b), Revere shall retain 5 years historical record of the following:

1. Occurrence and duration of each startup or shutdown which caused an exceedance of the lead emission limit defined by 40 CFR 63.X;
2. Occurrence and duration of each process, baghouse control and monitoring equipment malfunction;
3. Maintenance performed on the baghouse control and monitoring equipment;
4. Corrective action taken during periods of startup or malfunction which resulted in an exceedance of the lead emission limit;
5. CMS malfunction, out of control periods and



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inoperation;

6. Stack test results of lead and particulates including visible evaluations;
7. CMS performance evaluations and calibration checks;
8. Nature and cause of CMS malfunctions;
9. CMS adjustments and maintenance.

Revere is subject to 40 CFR 63.10(e)(3) and shall continue to submit a semi-annual Summary Report entitled Gaseous and Opacity Excess Emission and Continuous Monitoring System Performance which shall contain the following:

1. Company name and address;
2. Hazardous air pollutant monitored;
3. Reporting period;
4. Process unit description;
5. Emission and operating parameter limitations;
6. Monitoring equipment manufacturer and model number;
7. Date of last CMS certification or audit;
8. Affected source operating time during reporting period;
9. An emission data summary;
10. CMS performance summary;
11. Description of change of CMS, process or controls;
12. Responsible official certification.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 37: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.541(b), Subpart X**

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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Revere, as owner operator of a secondary lead smelter, shall comply with the following provisions of 40 CFR 63 Subpart A.

- 40 CFR 63.1
- 40 CFR 63.2
- 40 CFR 63.3
- 40 CFR 63.4
- 40 CFR 63.5
- 40 CFR 63.7
- 40 CFR 63.8
- 40 CFR 63.10

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

**Condition 38: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.543, Subpart X**

**Item 38.1:**

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

Emission Unit: 1-0LEAD Emission Point: 00017

Regulated Contaminant(s):  
CAS No: 007439-92-1 LEAD

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

Lead discharged into the atmosphere from the reverberatory furnace is limited to less than 0.00087 grains of lead per dry standard cubic foot.

Except as provided in paragraph (i) below, compliance testing for lead compounds shall be conducted on an annual basis (no later than 12 calendar months following the previous compliance test).



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(i) If a compliance test demonstrates a source emitted lead compounds at 0.00044 grains of lead per dry standard cubic foot or less during the time of the compliance test, the owner or operator of a secondary lead smelter shall be allowed up to 24 calendar months from the previous compliance test to conduct the next annual compliance test for lead compounds.

At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after completion of compliance testing.

Compliance test for emissions of lead shall be conducted using 40CFR Part 60, Appendix A, Method 12.

Parameter Monitored: LEAD

Upper Permit Limit: 0.00087 grains per dscf

Reference Test Method: Method 12

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 39: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.544, Subpart X**

**Item 39.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD Emission Point: 00002

Emission Unit: 1-0LEAD Emission Point: 00008

Emission Unit: 1-0LEAD Emission Point: 00009

Emission Unit: 1-0LEAD Emission Point: 00010

Emission Unit: 1-0LEAD Emission Point: 00011

Emission Unit: 1-0LEAD Emission Point: 00012



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Emission Unit: 1-0LEAD Emission Point: 00016

Emission Unit: 1-0LEAD Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Process fugitive emission sources shall be equipped with an enclosure hood meeting the face velocity requirements of (b)(1), (b)(2) or (b)(3) of this section or be located in a total enclosure subject to general ventilation that maintains the building at lower than ambient pressure to ensure in-draft through doorway openings.

Revere employs both collection strategies. Compliance with total enclosure shall govern and is defined under 40CFR63.547(e)(2).

Lead discharged into the atmosphere from the process fugitive sources is limited to less than 0.00087 grains of lead per dry standard cubic foot.

Except as provided in paragraph (i) below, compliance testing for lead compounds shall be conducted on an annual basis (no later than 12 calendar months following the previous compliance test).

(i) If a compliance test demonstrates a source emitted lead compounds at 1.0 milligram of lead per dry standard cubic meter (0.00044 grains of lead per dry standard cubic foot) or less during the time of the compliance test, the owner or operator of a secondary lead smelter shall be allowed up to 24 calendar months from the previous compliance test to conduct the next annual compliance test for lead compounds.

At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after completion of compliance testing.



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Compliance test for emissions of lead shall be conducted using 40CFR Part 60, Appendix A, Method 12.

Upper Permit Limit: 0.00087 grains per dscf

Reference Test Method: Method 12

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 40: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.544(b), Subpart X**

**Item 40.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Revere shall continue to operate general ventilation that maintains the building enclosure at a lower than ambient pressure to ensure in-draft through all doorway openings.

Revere is subject to total enclosure requirements under 40CFR63.547(e). To comply, the facility shall continue to utilize a sensor/ magnehelic gauge configuration installed in the rear of the main building proximal to the outside baghouse yard area. The sensor / magnehelic shall be equipped with transmitter and recorder and certified by the manufacturer capable of measuring pressure differential between 0.02 mm Hg (0.01 inches of H<sub>2</sub>O) and 0.2 mm Hg (0.11 inches of H<sub>2</sub>O).

Historical pressure differential data shall be maintained by the the facility to demonstrate compliance subject to Department review.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
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**Condition 41: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.545, Subpart X**

**Item 41.1:**

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

Emission Unit: 1-0LEAD Emission Point: 00004

Emission Unit: 1-0LEAD Emission Point: 00007

Regulated Contaminant(s):  
CAS No: 007439-92-1 LEAD

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Discharge of any gases into the atmosphere from the Yard Building Area shall not contain lead compounds in excess of 0.00087 grains of lead per dry standard cubic foot.

EP00004 and EP00007 are associated with the Yard Building Area.

Stack testing to determine compliance shall be conducted as requested by the Department.

At least 60 days prior to actual testing, Revere shall submit to NYSDEC a test protocol detailing methods and procedures to be used during the compliance test. Results must be submitted to NYSDEC within 60 days after completion of compliance testing.

Compliance test for emissions of lead shall be conducted using 40CFR Part 60, Appendix A, Method 12.

Upper Permit Limit: 0.00087 grains per dscf

Reference Test Method: Method 12

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.548, Subpart X**

**Item 42.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-0LEAD

Process: FRN                      Emission Source: 000B1

Emission Unit: 1-0LEAD

Process: FRN                      Emission Source: 000B2

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 000B2

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 000B1

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 000B2

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 000B4

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 000B8

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 000B9

Emission Unit: 1-0LEAD

Process: SLG                      Emission Source: 000B1

Emission Unit: 1-0LEAD

Process: SLG                      Emission Source: 000B2

Emission Unit: 1-0LEAD

Process: REF                      Emission Source: 00B11

Emission Unit: 1-0LEAD



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Process: MHS                      Emission Source: 00B13

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 00B12

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 00B10

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 000B7

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 000B6

Emission Unit: 1-0LEAD

Process: MHS                      Emission Source: 000B5

Emission Unit: 1-0LEAD

Process: FRN                      Emission Source: 000B7

Emission Unit: 1-0LEAD

Process: FRN                      Emission Source: 000B6

Emission Unit: 1-0LEAD

Process: FRN                      Emission Source: 000B5

Emission Unit: 1-0LEAD

Process: DRY                      Emission Source: 000B3

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Revere shall continue to operate in accordance with the standard operating procedures manual (December 1997) that describes in detail, procedures for inspection, maintenance, bag leak detection and corrective action plans for all baghouses (fabric filters) that are used to control process, process fugitive or fugitive dust emissions.

Inspection and maintenance shall include, at a minimum, the following:

1. Daily monitoring of pressure drop across each baghouse cell;



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- 2. Weekly confirmation that collected baghouse pollutants are effectively being removed;
- 3. Daily check of pulse jet baghouse compressed air supply;
- 4. Monitoring cleaning cycles to ensure proper operation;
- 5. Monthly check of bag cleaning mechanisms to verify proper function;
- 6. Quarterly confirmation of baghouse integrity;
- 7. Continuous operation of bag leak detection (B1, B2, B3 and B4).

Bag leak detection system shall conform with specification and requirements of 40 CFR 548(e)(1) thru (8) as well as corrective action under 40 CFR 548(f).

Revere shall maintain an up to date version of the operating procedures manual subject to Department review.

Monitoring Frequency: DAILY  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 12 calendar month(s).

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

**Condition 43: Emission Point Definition By Emission Unit Effective for entire length of Permit**

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

**Item 43.1:**

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

Emission Unit: 1-0LEAD

Emission Point: 00001

Height (ft.): 200                      Diameter (in.): 56  
 NYTMN (km.): 4590.049    NYTME (km.): 553.486    Building: MAIN

Emission Point: 00002

Height (ft.): 100                      Diameter (in.): 54  
 NYTMN (km.): 4589.939    NYTME (km.): 553.403    Building: MAIN



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Emission Point: 00004  
Height (ft.): 43 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4590.023 NYTME (km.): 553.332 Building: YARD

Emission Point: 00007  
Height (ft.): 43 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4589.99 NYTME (km.): 553.434 Building: YARD

Emission Point: 00008  
Height (ft.): 39 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4590.125 NYTME (km.): 553.461 Building: MAIN

Emission Point: 00009  
Height (ft.): 39 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4590.125 NYTME (km.): 553.454 Building: MAIN

Emission Point: 00010  
Height (ft.): 39 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4590.126 NYTME (km.): 553.451 Building: MAIN

Emission Point: 00011  
Height (ft.): 39 Length (in.): 49 Width (in.): 33  
NYTMN (km.): 4590.126 NYTME (km.): 553.447 Building: MAIN

Emission Point: 00012  
Height (ft.): 45 Length (in.): 60 Width (in.): 80  
NYTMN (km.): 4590.066 NYTME (km.): 553.487 Building: MAIN

Emission Point: 00016  
Height (ft.): 45 Length (in.): 60 Width (in.): 80  
NYTMN (km.): 4590.068 NYTME (km.): 553.476 Building: MAIN

Emission Point: 00017  
Height (ft.): 60 Diameter (in.): 48  
NYTMN (km.): 4589.992 NYTME (km.): 553.457 Building: MAIN

**Item 43.2:**

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

Emission Unit: 2-CRYST

Emission Point: 00014  
Height (ft.): 38 Diameter (in.): 10  
NYTMN (km.): 4590.19 NYTME (km.): 553.512 Building: CRYST

Emission Point: 00024



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Height (ft.): 35                      Diameter (in.): 10  
NYTMN (km.): 4590.18    NYTME (km.): 553.511    Building: CRYST

**Item 43.3:**

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

Emission Unit: 3-GENER

Emission Point: 00005

Height (ft.): 13                      Diameter (in.): 8  
NYTMN (km.): 4590.154    NYTME (km.): 553.423    Building: MAIN

Emission Point: 00006

Height (ft.): 13                      Diameter (in.): 8  
NYTMN (km.): 4590.148    NYTME (km.): 553.422    Building: MAIN

**Item 43.4:**

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

Emission Unit: 4-BOILR

Emission Point: 00015

Height (ft.): 38                      Diameter (in.): 20  
NYTMN (km.): 4590.197    NYTME (km.): 553.522    Building: CRYST

**Condition 44: Process Definition By Emission Unit  
Effective for entire length of Permit**

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

**Item 44.1:**

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

Emission Unit: 1-0LEAD

Process: DRY    Source Classification Code: 3-04-004-99  
Process Description: KILN DRYING OF LEAD CONTAINING MATERIAL.

Emission Source/Control: 000B3 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000D1 - Process

**Item 44.2:**

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

Emission Unit: 1-0LEAD

Process: FRN    Source Classification Code: 3-04-004-02



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Process Description:

SMELTING OF DRIED LEAD CONTAINING MATERIAL  
AND TAPPING FURNACE PRODUCT.

Emission Source/Control: 000B1 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B5 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B6 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B7 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000S1 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 000R1 - Process

Emission Source/Control: FLTAP - Process

Emission Source/Control: MOLDS - Process

Emission Source/Control: RFRAM - Process

**Item 44.3:**

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

Emission Unit: 1-0LEAD

Process: MHS

Source Classification Code: 3-04-004-10

Process Description:

MATERIAL HANDLING AND STORAGE INCLUDES:  
YARD BUILDING AREA, FEED ROOM, CENTRAL  
VACUUM SYSTEM AND DROSS BIN.

Emission Source/Control: 000B2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B5 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B6 - Control

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Control Type: FABRIC FILTER

Emission Source/Control: 000B7 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000S1 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00B10 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00B12 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00B13 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0YARD - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 0FEED - Process

Emission Source/Control: CVACC - Process

Emission Source/Control: DSBIN - Process

**Item 44.4:**

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

Emission Unit: 1-0LEAD

Process: REF

Source Classification Code: 3-04-004-14

Process Description:

REFINING MOLTEN LEAD IN KETTLES. THERE ARE SEVEN KETTLES.

Emission Source/Control: 000B1 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B4 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B8 - Control  
Control Type: FABRIC FILTER



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Emission Source/Control: 000B9 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000S1 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00B11 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000C2 - Process

Emission Source/Control: 000K1 - Process

Emission Source/Control: 000K2 - Process

Emission Source/Control: 000K3 - Process

Emission Source/Control: 000K4 - Process

Emission Source/Control: 000K5 - Process

Emission Source/Control: 000K6 - Process

Emission Source/Control: 000K7 - Process

**Item 44.5:**

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

Emission Unit: 1-0LEAD  
Process: SLG  
Process Description: SLAG CASTING.  
Source Classification Code: 3-04-004-02

Emission Source/Control: 000B1 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000B2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 000S1 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 0SLAG - Process

Emission Source/Control: SCFED - Process

**Item 44.6:**

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



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Emission Unit: 2-CRYST

Process: CRY

Source Classification Code: 3-04-004-99

Process Description:

CRYSTALLIZATION OF SCRUBBER LIQUOR TO FORM  
SODIUM SULFATE CRYSTALS.

Emission Source/Control: CSDBH - Control

Control Type: FABRIC FILTER

Emission Source/Control: VSCRB - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: CRCYC - Process

Emission Source/Control: CRDRY - Process

Emission Source/Control: PSPRY - Process

**Item 44.7:**

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

Emission Unit: 3-GENER

Process: GEN

Source Classification Code: 2-01-001-02

Process Description:

TWO DIESEL GENERATORS USED TO PROVIDE  
SUPPLEMENTAL POWER WHEN REQUESTED BY THE  
UTILITY COMPANY, AND DURING POWER OUTAGES.  
MAX OPERATING HOURS PER YEAR LESS THAN 500  
HOURS/GENERATOR.

Emission Source/Control: GEN05 - Combustion

Design Capacity: 30 million Btu per hour

Emission Source/Control: GEN06 - Combustion

Design Capacity: 30 million Btu per hour

**Item 44.8:**

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

Emission Unit: 4-BOILR

Process: BLR

Source Classification Code: 1-02-006-02

Process Description:

NATURAL GAS FIRED BOILER RATED AT 12.55  
MMBTU/HR WHICH PROVIDES REQUIRED HEAT FOR  
CRYSTALLIZATION PROCESS.



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Emission Source/Control: 00B01 - Combustion

Design Capacity: 12.55 million Btu per hour

**Condition 45: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.10**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-0LEAD

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Revere shall limit addition of niter to less than 234 tons to any and all processes over any consecutive 12 month period.

Monitoring Frequency: DAILY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 46: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 227-2.1(a)(6)**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 3-GENER

Regulated Contaminant(s):

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

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



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Operation of each electric generating unit is limited to less than 500 hours per year.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 47: Contaminant List  
Effective for entire length of Permit**

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

**Item 47.1:**

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



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

CAS No: 007439-92-1

Name: LEAD

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Condition 48: Unavoidable noncompliance and violations  
Effective for entire length of Permit**

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

**Item 48.1:**

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

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

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

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(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 49: Air pollution prohibited**  
**Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 49.1:**

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.