New York State Department of Environmental Conservation
Facility DEC ID: 6405800003

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 6-4058-00003/00372
Effective Date: 04/11/2003 Expiration Date: No expiration date

PermALCOA INC
201 ISABELLA ST
PITTSBURGH, PA 15212-5858

Facility: ALCOA MASSENA OPERATIONS (WEST PLANT)
PARK AVENUE EAST
MASSENA, NY 13662

Contact: DENNIS KRAUSE
ALCOA INC
PO BOX 150
MASSENA, NY 13662-0150
(315) 764-4642

Description:

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

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

Authorized Signature: _____ Date: ___ / ___ / _____

New York State Department of Environmental Conservation
Facility DEC ID: 6405800003

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.

New York State Department of Environmental Conservation
Facility DEC ID: 6405800003

LIST OF CONDITIONS

DEC GENERAL CONDITIONS
General Provisions
Relationship of this Permit to Other Department Orders and Determinations
Facility Inspection by the Department
Applications for Permit Renewals and Modifications
Permit Modifications, Suspensions and Revocations by the Department
Facility Level
Submission of Applications for Permit Modification or Renewal -REGION 6 HEADQUARTERS

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

Condition 1: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 1.1:
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 2: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 2.1:
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 2.2:
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 2.3:
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 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual

transfer of ownership.

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

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

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

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245

New York State Department of Environmental Conservation
Permit ID: 6-4058-00003/00372 Facility DEC ID: 6405800003

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ALCOA INC
201 ISABELLA ST
PITTSBURGH, PA 15212-5858

Facility: ALCOA MASSENA OPERATIONS (WEST PLANT)
PARK AVENUE EAST
MASSENA, NY 13662

Authorized Activity By Standard Industrial Classification Code:
3334 - PRIMARY ALUMINUM
3354 - ALUMINUM EXTRUDED PRODUCTS
3361 - ALUMINUM FOUNDRIES(1977)

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Emission Unit Level

EU=M-0001A,Proc=MH1
1 6NYCRR 212.4(a): Compliance Demonstration
2 6NYCRR 212.4(a): Compliance Demonstration

EU=M-0001A,Proc=MH1,ES=M011A
5 6NYCRR 212.4(c): Compliance Demonstration
3 6NYCRR 212.6(a): Compliance Demonstration

EU=M-0001A,Proc=MH1,ES=M011B
6 6NYCRR 212.4(c): Compliance Demonstration
4 6NYCRR 212.6(a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
7 ECL 19-0301: Contaminant List
8 6NYCRR 201-1.4: Unavoidable noncompliance and violations
9 6NYCRR 201-5: Emission Unit Definition
10 6NYCRR 211.2: Air pollution prohibited
Emission Unit Level
11 6NYCRR 201-5: Emission Point Definition By Emission Unit
12 6NYCRR 201-5: Process Definition By Emission Unit

Permit Effective Date: 04/11/2003 Permit Expiration Date: No expiration date.

FEDERALLY ENFORCEABLE CONDITIONS
****** Emission Unit Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

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

Any person who owns or operates an air contamination

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

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

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

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

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

Item E: Emergency Defense - 6NYCRR Part 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event

occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

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

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

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

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

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item L: Open Fires - 6 NYCRR Part 215

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

Item M: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not

limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item N: **Federally Enforceable Requirements - 40 CFR 70.6(b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: **Compliance Demonstration**
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 1.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1

Regulated Contaminant(s):
CAS No: 007782-50-5 CHLORINE

Item 1.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
THE EMISSION RATE POTENTIAL SHALL
REMAIN LESS THAN 10 LBS/HR AND THE

EMISSIONS SHALL HAVE A "B" RATING
PREVIOUSLY ASSIGNED BY THE DEPARTMENT.
MONITORING CONSISTS OF COMPLIANCE
CERTIFICATION (REQUIRED BY PART 201) THAT
THIS PROCESS HAS NOT BEEN MODIFIED DURING
THE PREVIOUS TIME PERIOD TO CHANGE IT'S
STATUS WITH RESPECT TO 212.9 TABLE 2.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 2: Compliance Demonstration
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 2.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 2.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
THE EMISSION RATE POTENTIAL SHALL
REMAIN LESS THAN 10 LBS/HR AND THE
EMISSIONS SHALL HAVE A "B" RATING
PREVIOUSLY ASSIGNED BY THE DEPARTMENT.
MONITORING CONSISTS OF COMPLIANCE
CERTIFICATION (REQUIRED BY PART 201) THAT
THIS PROCESS HAS NOT BEEN MODIFIED DURING
THE PREVIOUS TIME PERIOD TO CHANGE IT'S
STATUS WITH RESPECT TO 212.9 TABLE 2.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 5: Compliance Demonstration
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 5.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1 Emission Source: M011A

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

Item 5.2:
Compliance Demonstration 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 particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3: Compliance Demonstration
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 3.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1 Emission Source: M011A

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

Item 3.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Compliance Demonstration
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 6.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1 Emission Source: M011B

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

Item 6.2:
Compliance Demonstration 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 particulates per cubic foot of exhaust

gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 4: Compliance Demonstration
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 4.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: M-0001A
Process: MH1 Emission Source: M011B

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

Item 4.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**
Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 7: Contaminant List
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 7.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

Condition 8: Unavoidable noncompliance and violations
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 8.1:
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.

(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 9: Emission Unit Definition
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 9.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: M-0001A
Emission Unit Description:
ALUMINUM MELTING AND HOLDING FURNACES #5
AND #6. FURNACES ARE REVERBERATORY, CENTER
CHARGED. FURNACES CHARGE MOLTEN ALUMINUM,
CLEAN SCRAP, ALLOYING INGREDIENTS AND SALT.
NO GAS FLUXING IS DONE IN ANY FURNACE.
THESE SOURCES ARE CURRENTLY PERMITTED IN
THE TITLE V PERMIT UNDER EMISSION UNIT
M-00001 AS SOURCES M001A AND M001B FOR USE
WITHOUT FLUXING. THIS PERMIT ALLOWS THE
FURNACES TO USE FLUX AND ARE PERMITTED AS

SOURCES M011A AND M011B, TEMPORARILY.
THESE CHANGES WILL BE INCORPORATED INTO THE
TITLE V PERMIT UPON APPLICATION FOR THE
PERMIT CHANGES REQUIRED UNDER 40 CFR 63
SUBPART RRR.

Building(s): 221

Condition 10: Air pollution prohibited
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 10.1:
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.

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

Condition 11: Emission Point Definition By Emission Unit
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 11.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: M-0001A

Emission Point: I011A
Height (ft.): 67 Diameter (in.): 32

Emission Point: I011B
Height (ft.): 78 Diameter (in.): 32

Condition 12: Process Definition By Emission Unit
Effective between the dates of 04/11/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 12.1:

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

Emission Unit: M-0001A
Process: MH1
Process Description:
MOLTEN ALUMINUM MELTING AND HOLDING FURNACES WHICH ARE PERMITTED TO USE SALT FLUXES. ALL FURNACES ARE REVERBERATORY, CENTER CHARGED. NO GAS FLUXING IS DONE IN ANY FURNACE.

Emission Source/Control: M011A - Process

Emission Source/Control: M011B - Process