



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 6-4058-00003/00376
Effective Date: 06/15/2009 Expiration Date: No expiration date

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

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

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

Contact: CHARLES DOBBS
ALCOA INC
PO BOX 150
MASSENA, NY 13662-0150
(315) 764-4161

Description:

This application for a New York State Facility Permit is being submitted to change the fluxing status of two melting furnaces to allow the use of reactive flux.

Alcoa is seeking a permit change that will allow Emission Sources M024F and M024D (Furnaces 32 and 33 respectively) to use reactive flux in their operations. Alcoa currently uses salt flux in many of its furnaces and this will allow more production flexibility in these units.

Alcoa has been monitoring Emission Sources M024F and M024D in the exact same fashion as all other Group 1 furnaces with the only exception being that these two emission sources currently do not use salt. The modifications will not affect the SAPU and compliance with the regulation will continue to be shown with the Title V permit requirements for these two emission sources. These emission sources are currently permitted under Process MHA, Emission Unit M-00001 in the Title V permit. This will change to Process MHS under the same Emission Unit M-00001 (Process MHA will no longer have any sources associated with it). These two emission sources will remain as existing emission sources in an existing Secondary Aluminum Production Unit (SAPU).



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: LAWRENCE R AMBEAU
 NYSDEC - STATE OFFICE BLDG
 317 WASHINGTON ST
 WATERTOWN, NY 13601

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

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



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

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: 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:

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



submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

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 application for permit modification or renewal-REGION 6 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(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



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 AVE EAST
MASSENA, NY 13662

Authorized Activity By Standard Industrial Classification Code:
3334 - PRIMARY ALUMINUM
3354 - ALUMINUM EXTRUDED PRODUCTS

Permit Effective Date: 06/15/2009
date.

Permit Expiration Date: No expiration
date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Emission Unit Level

EU=M-00001

- 1 6NYCRR 212.4(a): Compliance Demonstration
- 2 6NYCRR 212.4(a): Compliance Demonstration
- 3 6NYCRR 212.5(d): Compliance Demonstration
- 4 40CFR 63.1506(d), Subpart RRR: Compliance Demonstration
- 5 40CFR 63.1506(p), Subpart RRR: Compliance Demonstration
- 6 40CFR 63.1510(e), Subpart RRR: Compliance Demonstration
- 20 40CFR 63.1510(t), Subpart RRR: Calculation of secondary aluminum processing unit (SAPU) emissions
- 7 40CFR 63.1511(a), Subpart RRR: Compliance Demonstration
- 8 40CFR 63.1511(b), Subpart RRR: Compliance Demonstration
- 9 40CFR 63.1511(c), Subpart RRR: Compliance Demonstration
- 10 40CFR 63.1511(e), Subpart RRR: Compliance Demonstration
- 11 40CFR 63.1511(f), Subpart RRR: Testing of representative emission units
- 12 40CFR 63.1511(g), Subpart RRR: Compliance Demonstration
- 13 40CFR 63.1512(j), Subpart RRR: Compliance Demonstration
- 14 40CFR 63.1512(k), Subpart RRR: Performance Test/Compliance Demonstration Requirements and Procedures - Feed/Charge Weight Measurement
- 15 40CFR 63.1513(b), Subpart RRR: Compliance Demonstration
- 16 40CFR 63.1513(e), Subpart RRR: Equation to show compliance with SAPU HCl emission limit
- 17 40CFR 63.1513(e), Subpart RRR: Equation to show compliance with SAPU particulate emission limit
- 18 40CFR 63.1517(b)(7), Subpart RRR: Compliance Demonstration
- 19 40CFR 63.1517(b)(17), Subpart RRR: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 21 ECL 19-0301: Contaminant List
- 22 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 23 6NYCRR 201-5: Emission Unit Definition
- 24 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 25 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 26 6NYCRR 201-5: Process Definition By Emission Unit



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 06/15/2009 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-00001

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

As required by 6 NYCRR Part 212.4(a) chlorine has been issued an environmental rating of B. The emission rate potential of chlorine from each emission source in this emission unit shall remain less than 10 pounds per hour. Compliance testing shall be conducted upon request from the Department.

Upper Permit Limit: 10.0 pounds per hour

Reference Test Method: EPA RM 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2: Compliance Demonstration
Effective between the dates of 06/15/2009 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-00001

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

As required by 6 NYCRR Part 212.4(a) hydrogen chloride (HCl) has been issued an environmental rating of B. The emission rate potential of hydrogen chloride from each emission source in this emission unit shall remain less than 10 pounds per hour. Compliance testing shall be conducted upon request from the Department.

Upper Permit Limit: 10.0 pounds per hour

Reference Test Method: EPA RM 26

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.5(d)

Item 3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The particulate matter (PM) emissions from this emission unit, are subject to the Federal National Emission Standards for Hazardous Air Pollutants in 40 CFR part 63 Subpart RRR, which satisfy the requirements of Part 212.5(d) for PM emissions as long as the source owner continues to demonstrate that the emission unit is in compliance with the respective Federal requirements contained in this permit. Compliance testing shall be conducted upon request from the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 4: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1506(d), Subpart RRR



Item 4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) of feed/charge must:

(1) Except as provided in paragraph (3) of this condition, install and operate a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the emissions test; and

(2) Operate each weight measurement system or other weight determination procedure in accordance with the manufacturer's recommendations.

(3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:

(i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and

(ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 5: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1506(p), Subpart RRR

Item 5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 5.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the emissions test, the owner or operator must initiate corrective action. Corrective action must restore operation of the affected source or emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken must include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the emissions test and steps to prevent the likely recurrence of the cause of a deviation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 6: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1510(e), Subpart RRR

Item 6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or ug/Mg (gr/ton) of feed/charge must install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to, or the aluminum production from, the affected source or emission unit over the same operating cycle or time period used in the initial emissions test. Feed/charge or aluminum production within SAPUs must be measured and recorded on an emission unit-by-emission unit basis. As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.



(1) The accuracy of the weight measurement device or procedure must be ± 5 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

(2) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 20: Calculation of secondary aluminum processing unit (SAPU) emissions

Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1510(t), Subpart RRR

Item 20.1:

This Condition applies to Emission Unit: M-00001

Item 20.2:

Except as provided in paragraph 40 CFR Part 63.1510(u), the owner or operator must calculate and record the 3-day, 24-hour rolling average emissions of PM, HCl, and D/F as applicable for each secondary aluminum processing unit on a daily basis. To calculate the 3-day, 24-hour rolling average, the owner or operator must:

(1) Calculate and record the total weight of material charged to each emission unit in the secondary aluminum processing unit for each 24-hour day of operation using the feed/charge weight information required in paragraph (e) of this section. If the owner or operator chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the emission unit, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

(2) Multiply the total feed/charge weight to the emission unit, or the weight of aluminum produced by the emission unit, for each emission unit for the 24-hour period by the emission rate (in lb/ton of feed/charge) for that emission unit (as determined during the performance test) to provide emissions for each emission unit for the 24-hour period, in pounds.

(3) Divide the total emissions for each SAPU for the 24-hour period by the total material charged to the SAPU, or the weight of aluminum produced by the SAPU over the 24-hour period to provide the daily emission rate for the SAPU.



(4) Compute the 24-hour daily emission rate using the equation below:

$$E_{day} = \frac{\sum_{i=1}^n (T_i \times ER_i)}{\sum_{i=1}^n T_i}$$

Where,

E_{day} = The daily PM, HCl, and/or D/F emission rate for the secondary aluminum processing unit for the 24-hour period;

T_i = The total amount of feed, or aluminum produced, for emission unit i for the 24-hour period (tons);

ER_i = The measured emission rate for emission unit i as determined in the performance test (lb/ton or $\mu\text{g}/\text{Mg}$ of feed/charge); and

n = The number of emission units in the secondary aluminum processing unit.

(5) Calculate and record the 3-day, 24-hour rolling average of each pollutant as applicable each day by summing the daily emission rates for each pollutant over the 3 most recent consecutive days and dividing by 3.

Condition 7: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1511(a), Subpart RRR

Item 7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Prior to conducting an emissions test required by this permit, the owner or operator must prepare and submit a



site-specific test plan meeting the requirements in 6 NYCRR Part 202-1.2 and 202-1.3. Such plan shall be submitted to the Department within 90 days of issuance of this permit. Testing of the subject source must occur within 90 days of Department approval of the site-specific test plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 8: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1511(b), Subpart RRR

Item 8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Following approval of the site-specific test plan, the owner or operator must demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected source and emission unit, and report the results to the Department within 90 days of achieving initial compliance. The owner or operator must conduct each emissions test according to the requirements of the general provisions in 40 CFR 63 subpart A and subpart RRR.

(1) The owner or operator must conduct each test while the affected source or emission unit is operating at the highest production level with charge materials representative of the range of materials processed by the



unit and, if applicable, at the highest reactive flux rate.

must (2) Each emissions test for a continuous process

consist of 3 separate runs; pollutant sampling for each run must be conducted for the time period specified in the applicable method or, in the absence of a specific time period in the test method, for a minimum of 3 hours.

consist (3) Each emissions test for a batch process must

of three separate runs; pollutant sampling for each run must be conducted over the entire process operating cycle.

units are (4) Where multiple affected sources or emission

exhausted through a common stack, pollutant sampling for each run must be conducted over a period of time during which all affected sources or emission units complete at least 1 entire process operating cycle or for 24 hours, whichever is shorter.

limit (5) Initial compliance with an applicable emission

or standard is demonstrated if the average of three runs conducted during the initial emissions test is less than or equal to the applicable emission limit or standard.

Reference Test Method: EPA RM 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 9: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1511(c), Subpart RRR



Item 9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must use the following methods in appendix A to 40 CFR part 60 to determine compliance with the applicable emission limits or standards:

- (1) Method 1 for sample and velocity traverses.
- (2) Method 2 for velocity and volumetric flow rate.
- (3) Method 3 for gas analysis.
- (4) Method 4 for moisture content of the stack gas.
- (5) Method 5 for the concentration of PM.
- (6) Method 9 for visible emission observations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 10: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1511(e), Subpart RRR

Item 10.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: M-00001

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of new or existing emission units located at secondary aluminum production facilities that are major sources must conduct an emissions test every 5 years following the initial emissions test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 11: Testing of representative emission units
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1511(f), Subpart RRR

Item 11.1:

This Condition applies to Emission Unit: M-00001

Item 11.2:

With the approval of the permitting authority, a single representative or similar group 1 furnace or in-line fluxer which is not controlled by an add-on control device may be tested to determine the emission rate of all like affected sources at a facility provided that:

- (1) The tested emission unit must use identical feed/charge and flux materials in the same proportions as the emission units that it represents;
- (2) The tested emission unit is subject to the same work practices and the emission units that it represents;
- (3) The tested emission unit is of the same design as the emission units that it represents;
- (4) The tested emission unit is tested under the highest load or capacity reasonably expected to occur for any of the emission units that it represents;
- (5) At least one of each different style of emission unit at the facility is tested; and
- (6) All add-on control devices are tested.



Condition 12: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit
Expiration Date

Applicable Federal Requirement:40CFR 63.1511(g),
Subpart RRR

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Establishment of monitoring and operating parameter values. The owner or operator of new or existing emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored, as required by this permit, that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in this section and submit the information required by 40 CFR Part 63.1515(b)(4), to the Department . The owner or operator may use existing data in addition to the results of emissions tests to establish operating parameter values for compliance monitoring provided each of the following conditions are met to the satisfaction of the applicable permitting authority:

(1) The complete emission test report(s) used as the basis of the parameter(s) is submitted.

(2) The same test methods and procedures as required by this subpart were used in the test.

(3) The owner or operator certifies that no design or work practice changes have been made to the source, process, or emission control equipment since the time of the report.



(4) All process and control equipment operating parameters required to be monitored were monitored as required in this subpart and documented in the test report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1512(j), Subpart RRR

Item 13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0

PARTICULATES

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must conduct emission tests as described below. The results of the emission tests are used to establish emission rates in lb/ton of feed/charge for PM from each emission unit. These emission rates are used for compliance monitoring in the calculation of the 3-day, 24-hour rolling average emission rates using the equation in 40 CFR Part 63.1510(t). An emissions test is required for:

(1) Each group 1 furnace that processes scrap other than clean charge to measure emissions of PM.

(2) Each in-line fluxer to measure emissions of PM.



Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: AS REQUIRED - SEE MONITORING
DESCRIPTION

**Condition 14: Performance Test/Compliance Demonstration
Requirements and
Procedures - Feed/Charge Weight Measurement
Effective between the dates of 06/15/2009 and Permit
Expiration Date**

**Applicable Federal Requirement:40CFR 63.1512(k),
Subpart RRR**

Item 14.1:

This Condition applies to Emission Unit: M-00001

Item 14.2:

Feed/charge weight measurement. During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the weight of aluminum produced by the emission unit or affected source instead of the feed/charge weight.

**Condition 15: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit
Expiration Date**

**Applicable Federal Requirement:40CFR 63.1513(b),
Subpart RRR**

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Use the Equation below to determine the



emission rate of PM from the emission unit:

$$E = \frac{K1 \times C \times Q \times P}{\dots}$$

P

Where,

E = Emission rate of PM, kg/Mg (lb/ton) of feed;

C = Concentration of PM, g/dscm (gr/dscf);

Q = Volumetric flow rate of exhaust gases, dscm/hr (dscf/hr);

K1 = Conversion factor, 1 kg/1,000 g (1 lb/7,000 gr); and

P = Production rate, Mg/hr (ton/hr).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 16: Equation to show compliance with SAPU HCl emission limit

Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1513(e), Subpart RRR

Item 16.1:

This Condition applies to Emission Unit: M-00001

Item 16.2:

Use the equation below to compute the aluminum mass-weighted HCl emissions for the secondary aluminum processing unit. Compliance is achieved if the mass weighted emissions for the secondary aluminum processing unit (E_{cHCl}) is less than or equal to the emission limit for the secondary aluminum processing unit (L_{cHCl}) calculated using



equation 2 in §63.1505(k).

$$E_{CHCl} = \frac{\sum_{i=1}^n (E_{iHCl} \times T_{ii})}{\sum_{i=1}^n T_{ii}}$$

Where,

E_{CHCl} = The mass weighted HCl emissions for the secondary aluminum processing unit;
and

E_{iHCl} = Measured HCl emissions for the individual emissions unit i.

T_{ii} = The average feed rate (production rate) for individual emission unit i during the operating cycle or performance test period; and

n = The number of emission units in the secondary aluminum processing unit.

**Condition 17: Equation to show compliance with SAPU
particulate emission
limit**

**Effective between the dates of 06/15/2009 and Permit
Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1513(e),
Subpart RRR**

Item 17.1:

This Condition applies to Emission Unit: M-00001

Item 17.2:

Use the procedure below to determine compliance with emission limits for a secondary aluminum processing unit.

(1) Use the equation below to compute the mass-weighted PM emissions for a secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit E_{CPM} is less than or equal to the emission limit for the secondary aluminum processing unit L_{CPM} calculated using Equation 1 in 40 CFR Part 63.1505(k).



$$E_{CPM} = \frac{\sum_{i=1}^n (E_{iPM} \times T_i)}{\sum_{i=1}^n (T_i)}$$

Where,

E_{CPM} = The mass-weighted PM emissions for the secondary aluminum processing unit;

E_{iPM} = Measured PM emissions for individual emission unit i;

T_i = The average feed rate (production rate) for individual emission unit i during the operating cycle or performance test period; and

n=The number of emission units in the secondary aluminum processing unit.

Condition 18: Compliance Demonstration
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1517(b)(7), Subpart RRR

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each emission unit subject to an emission standard in kg/Mg (lb/ton) of feed/charge, records of feed/charge (or throughput) weights for each operating cycle or time period used in the emissions test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 19: Compliance Demonstration



Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1517(b)(17), Subpart RRR

Item 19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-00001

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each secondary aluminum processing unit, records of total charge weight, or if the owner or operator chooses to comply on the basis of aluminum production, total aluminum produced for each 24-hour period and calculations of 3-day, 24-hour rolling average emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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 21: Contaminant List
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 21.1:

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

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

CAS No: 007782-50-5
Name: CHLORINE

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

Condition 22: Unavoidable noncompliance and violations
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-1.4

Item 22.1:

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 23: Emission Unit Definition
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 23.1:

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

Emission Unit: M-00001

Emission Unit Description:

Aluminum melting and holding furnaces. All furnaces are reverberatory, center charged. Furnaces charge molten aluminum, clean scrap, alloying ingredients and salt. No gas fluxing is done in any furnace.

Building(s): 221

Condition 24: Air pollution prohibited
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 24.1:

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

**** Emission Unit Level ****



Condition 25: Emission Point Definition By Emission Unit
Effective between the dates of 06/15/2009 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 25.1:

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

Emission Unit:	M-00001		
Emission Point:	I001A		
	Height (ft.): 67	Diameter (in.): 32	
	NYTMN (km.): 4977.645	NYTME (km.): 508.314	Building: 221
Emission Point:	I001B		
	Height (ft.): 67	Diameter (in.): 32	
	NYTMN (km.): 4977.604	NYTME (km.): 508.318	Building: 221
Emission Point:	I001C		
	Height (ft.): 68	Diameter (in.): 20	
	NYTMN (km.): 4977.641	NYTME (km.): 508.316	Building: 221
Emission Point:	I001D		
	Height (ft.): 68	Diameter (in.): 20	
	NYTMN (km.): 4977.626	NYTME (km.): 508.316	Building: 221
Emission Point:	I0034		
	Height (ft.): 74	Diameter (in.): 32	
			Building: 221
Emission Point:	I0035		
	Height (ft.): 74	Diameter (in.): 32	
			Building: 221
Emission Point:	I003A		
	Height (ft.): 67	Diameter (in.): 33	
			Building: 221
Emission Point:	I003C		
	Height (ft.): 67	Diameter (in.): 79	
			Building: 221
Emission Point:	I024C		
	Height (ft.): 74	Diameter (in.): 50	
			Building: 221
Emission Point:	I024D		
	Height (ft.): 74	Diameter (in.): 50	
			Building: 221
Emission Point:	I024F		
	Height (ft.): 82	Diameter (in.): 71	
			Building: 221



**Condition 26: Process Definition By Emission Unit
Effective between the dates of 06/15/2009 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 201-5

Item 26.1:

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

Emission Unit: M-00001

Process: MHS

Source Classification Code: 3-04-001-99

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: M001A - Process

Emission Source/Control: M001B - Process

Emission Source/Control: M001C - Process

Emission Source/Control: M001D - Process

Emission Source/Control: M0034 - Process

Emission Source/Control: M0035 - Process

Emission Source/Control: M003A - Process

Emission Source/Control: M003C - Process

Emission Source/Control: M024D - Process

Emission Source/Control: M024F - Process

