



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2911-00111/00105
Effective Date: 10/31/2014 Expiration Date: 10/30/2019

Permit Issued To: DUREZ CORPORATION
14131 MIDWAY RD STE 500
ADDISON, TX 75001

Facility: DUREZ NIAGARA
5000 PACKARD RD
NIAGARA FALLS, NY 14302-0863

Contact: MICHAEL MITCHELL
5000 PACKARD RD.
NIAGARA FALLS, NY 14302-0863
(716) 286-0139

Description:

This project is the initial Title V permit for Durez Niagara. Durez Niagara is a manufacturer of phenolic resins which are mainly used as glues (bonding agents) or coatings to protect surfaces. The site consists of two main resin production buildings, a waste water treatment plant that treats all sanitary water, storm water, and non-hazardous process waste water, two tank farms containing bulk storage for raw materials, finished product and hazardous/non-hazardous waste waters and a process waste water hazardous waste incinerator. The Durez Niagara incinerator is an aqueous liquid disposal system consisting of a 20 million BTU/hour enclosed flame thermal oxidizer and waste heat boiler. The feed to the incinerator consists primarily of water (77 to 98 percent) with phenol, formaldehyde, solvents and trace quantities of other organics.

Durez Niagara is required to obtain this Title V permit by 40 CFR 63 Subpart EEE (Subpart EEE) because the facility operates a hazardous waste incinerator. Subpart EEE requires that the facility continuously monitor various operating parameters for the hazardous waste incinerator in order to demonstrate that it is operating as it was during the last comprehensive performance test. Should the incinerator fall outside of this established operating envelope, the facility is required to operate an automatic waste feed cutoff device to immediately stop waste feed to the incinerator. Comprehensive performance tests are conducted every five years. The facility is also required to conduct a confirmatory performance test every two and a half years to demonstrate compliance with the dioxin emission standard and to verify the calibration of the required monitoring equipment. The hazardous waste incinerator is controlled by a wet electrostatic precipitator (WESP). Certain WESP operating parameters are also continuously monitored in order to demonstrate continuous compliance with the requirements of Subpart EEE.

The various resin grinding operations, chemical storage, and chemical transfer operations are subject to 6 NYCRR Part 212.

New York State Department of Environmental Conservation
Facility DEC ID: 9291100111



Durez Niagara also operates a regenerative thermal oxidizer to reduce odorous emissions from the resin production process as part of a previous environmental benefit project agreement with the Department.

The facility is not currently a major source of any regulated air contaminants. As a result, the facility is not subject to several regulations, including: 6 NYCRR Part 212.10, 40 CFR 63 Subpart OOO, and 40 CFR 64. Durez Niagara is also not subject to 6 NYCRR Part 219 because that regulation does not apply to hazardous waste incinerators.

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: LISA M CZECHOWICZ
 NYSDEC - REGION 9
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

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 9 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 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: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority 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 9 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: DUREZ CORPORATION
14131 MIDWAY RD STE 500
ADDISON, TX 75001

Facility: DUREZ NIAGARA
5000 PACKARD RD
NIAGARA FALLS, NY 14302-0863

Authorized Activity By Standard Industrial Classification Code:
2821 - PLASTICS MATERIALS AND RESINS

Permit Effective Date: 10/31/2014

Permit Expiration Date: 10/30/2019



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 211.1: Compliance Certification
- 26 6 NYCRR 212.4 (c): Compliance Certification
- 27 6 NYCRR 226.2: Compliance Certification
- 28 40CFR 61, NESHAP Subpart A: Applicability of General Provisions of 40 CFR 61 Subpart A
- 29 40CFR 61, NESHAP Subpart FF: Compliance Certification
- 30 40CFR 63.1206(c), Subpart EEE: Compliance Certification
- 31 40CFR 63.1206(c)(5), Subpart EEE: Compliance Certification
- 32 40CFR 63.1206(c)(5), Subpart EEE: Compliance Certification
- 33 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 34 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 35 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 36 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 37 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 38 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 39 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 40 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 41 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 42 40CFR 63.1207(b)(2), Subpart EEE: Compliance Certification



- 43 40CFR 63.1207(e), Subpart EEE: Compliance Certification
- 44 40CFR 63.1207(m)(1), Subpart EEE: Compliance Certification
- 45 40CFR 63.1209(a)(2), Subpart EEE: Compliance Certification
- 46 40CFR 63.1209(j)(1), Subpart EEE: Compliance Certification
- 47 40CFR 63.1209(j)(2), Subpart EEE: Compliance Certification
- 48 40CFR 63.1209(j)(3), Subpart EEE: Compliance Certification
- 49 40CFR 63.1209(j)(3), Subpart EEE: Compliance Certification
- 50 40CFR 63.1209(j)(4), Subpart EEE: Compliance Certification
- 51 40CFR 63.1209(k)(1), Subpart EEE: Compliance Certification
- 52 40CFR 63.1209(l)(1), Subpart EEE: Compliance Certification
- 53 40CFR 63.1209(m)(1)(iv), Subpart EEE: Compliance Certification
- 54 40CFR 63.1209(m)(1)(iv), Subpart EEE: Compliance Certification
- 55 40CFR 63.1209(m)(1)(iv), Subpart EEE: Compliance Certification
- 56 40CFR 63.1209(m)(1)(iv), Subpart EEE: Compliance Certification
- 57 40CFR 63.1209(m)(3), Subpart EEE: Compliance Certification
- 58 40CFR 63.1209(n)(2)(ii), Subpart EEE: Compliance Certification
- 59 40CFR 63.1209(n)(2)(ii), Subpart EEE: Compliance Certification
- 60 40CFR 63.1209(o)(1), Subpart EEE: Compliance Certification
- 61 40CFR 63.1219(a), Subpart EEE: Compliance Certification

Emission Unit Level

- 62 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 63 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=0-UMISC,EP=0FL03

- 64 6 NYCRR Part 212: Compliance Certification
- 65 6 NYCRR Part 212: Compliance Certification

EU=U-INCIN

- 66 40CFR 63.1206(b)(5), Subpart EEE: Compliance Certification
- 67 40CFR 63.1209(c)(4), Subpart EEE: Compliance Certification

EU=U-SOLID

- 68 6 NYCRR 212.6 (a): Compliance Certification
- 69 6 NYCRR 212.6 (a): Compliance Certification

EU=U-TANKS

- 70 6 NYCRR 212.4: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 71 ECL 19-0301: Contaminant List
- 72 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 73 6 NYCRR 201-1.4: Compliance Demonstration
- 74 6 NYCRR 211.2: Visible Emissions Limited



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 - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 - 6 NYCRR 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 Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR 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 201-6.2 (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 201-6.2 (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 201-6.4 (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 201-6.4 (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 - 6 NYCRR 201-6.4 (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 order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 201-6.4 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.4 (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 201-6.4 (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 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 201-6.4 (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 is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
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.

Condition 2: Fees
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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.
- (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 201-6.2(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.

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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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:

- 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.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



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 annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

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 1/30/2015.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



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 between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement:6 NYCRR 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 - Prohibitions
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.



- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

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



effectively.

Condition 11: Recycling and Salvage
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 10/31/2014 and 10/30/2019

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 10/31/2014 and 10/30/2019

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 15: Requirement to Provide Information
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)



Item 15.1:

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 16: Right to Inspect
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

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 17: Off Permit Changes
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 201-6.4 (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

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



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 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 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.

Condition 19: Accidental release provisions.
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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 20: Recycling and Emissions Reduction
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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 21: Emission Unit Definition
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: 0-UMISC

Emission Unit Description:

This emission unit consists of all miscellaneous facility emission sources including: a welding booth, belt flaker cooling fans, a liquid resin filter changing booth, resin cooling floor fans, pilot plant resin production equipment, and a boiler.

Building(s): M1
M3
MSBR
W6

Item 21.2:

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

Emission Unit: U-INCIN

Emission Unit Description:

This emission unit consists of a hazardous waste incinerator for process wastewater from the Durez Niagara facility and the company's Ft. Erie, Ontario, Canada facility. Emission point FBH20 is the vent for the distillate feed to the incinerator.

Building(s): BR

Item 21.3:

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

Emission Unit: U-KETTL

Emission Unit Description:

This emission unit includes all facility production kettles and their associated condensers, vacuum pumps, receivers, and agitators. The vacuum pumps associated with kettles #1-#6 vent to a regenerative thermal oxidizer during normal operation, but a bypass is present for periods of malfunction. The bypass will only be used when a kettle has been charged and the regenerative thermal oxidizer is malfunctioning. This emission unit also



includes a solvent metal cleaning process.

Building(s): M3
M7
W2A

Item 21.4:

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

Emission Unit: U-SOLID

Emission Unit Description:

This emission unit includes all facility solid material handling units, dust collectors and ribbon mixers at resin grinding and drumming operations.

Building(s): M3
M4
M5
M6
M7
W1
W6

Item 21.5:

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

Emission Unit: U-TANKS

Emission Unit Description:

This emission unit consists of all facility process tanks including: storage tanks, weigh tanks, filter tanks, drums, and tank wagons.

Building(s): -
M3
M7
W6

**Condition 22: Progress Reports Due Semiannually
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)

Item 22.1:

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

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

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



Condition 23: Non Applicable requirements
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (g)

Item 23.1:

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

6 NYCRR 212.10

Reason: Durez Niagara has supplied the Department with a series of emissions calculations that demonstrate that the facility's emissions do not exceed the major facility thresholds. Since the facility is not major, it is not subject to the VOC RACT requirements of Section 212.10.

6 NYCRR Part 219

Reason: This facility is not subject to 6 NYCRR Part 219 because it does not apply to hazardous waste incinerators.

40 CFR Part 60, Subpart Kb

Reason: 40 CFR 60 Subpart Kb applies to certain bulk storage tanks with capacities greater than 75 cubic meters installed after July 23, 1984. This facility includes three tanks that are potentially subject to 40 CFR 60 Subpart Kb. Those tanks are:

Tanks 32 and 65, storing phenol (vapor pressure 0.848 kPa), installed in August 1986; and

Tank 61, storing formalin (vapor pressure 2.93 kPa), installed in August 1986.

Each tank has a volume less than 39,900 gallons (151 cubic meters), and is storing a liquid with a maximum true vapor pressure less than 15 kilopascals. As a result, 40 CFR 60 Subpart Kb does not apply to these tanks as described in 40 CFR 60.110b(b).

40 CFR Part 63, Subpart OOO

Reason: Durez Niagara has submitted a series of emissions calculations to the Department demonstrating that the facility was not a major facility at any point since the promulgation of 40 CFR 63 Subpart OOO. The Department has reviewed these calculations in detail, and agrees with their results. Accordingly, 40 CFR 63 Subpart OOO does not apply to their resin production operations as described in Section 63.1400(a) because Durez Niagara is not a major source as defined in 40 CFR 63.2



40 CFR Part 64

Reason: Durez Niagara has supplied the Department with a series of emissions calculations that demonstrate that the facility's emissions do not exceed the major facility thresholds. Accordingly, the facility is not subject to the Compliance Assurance Monitoring requirements of 40 CFR 64.

Condition 24: Air pollution prohibited
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 211.1

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.

Condition 25: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator must continuously operate the regenerative thermal oxidizer (RTO) whenever process materials are present in reaction kettles 1-6 in order to control excess odors. The facility owner or operator shall maintain a log of the date and time of each start-up and shut down of the RTO. In addition, the facility owner or operator must continuously monitor and record the temperature in the RTO in order to demonstrate proper operation. Records kept pursuant to this condition must be maintained at the facility for a period of at least five years and be made available to the Department upon request.

Deviations from the temperature limit specified in this

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



condition must be reported in the semiannual compliance report.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1300 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 26.1:

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

Emission Unit: U-SOLID Process: 003	Emission Source: DCF01
Emission Unit: U-SOLID Process: 013	Emission Source: DC502
Emission Unit: U-SOLID Process: 014	Emission Source: DC303
Emission Unit: U-SOLID Process: 015	Emission Source: DC601
Emission Unit: U-SOLID Process: 015	Emission Source: DM604
Emission Unit: U-SOLID Process: 015	Emission Source: DM605
Emission Unit: U-SOLID Process: 12A	Emission Source: DC603
Emission Unit: U-SOLID Process: 12B	Emission Source: DC601
Emission Unit: U-SOLID Process: 12B	Emission Source: DM604
Emission Unit: U-SOLID Process: 12B	Emission Source: DM605

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



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:

The facility owner or operator shall conduct daily visible emissions evaluations of each dust collector in order to demonstrate compliance with the particulate matter emission limit contained in 6 NYCRR Part 212.4(c). In addition, the facility owner or operator shall monitor the pressure drop across each dust collector on a weekly basis. Emissions of particulate matter are limited to less than 0.050 grains per dry standard cubic foot of exhaust gas.

The facility owner or operator shall compile a record of each observation made in accordance with this condition. Such records shall include the following information at a minimum: the date of each observation, the visible emissions and/or pressure drop observed, and a description of any corrective action taken. Records must be maintained on site for a period of at least five years and be made available to the Department upon request.

Emissions testing to demonstrate compliance with this condition will be conducted at the discretion of the Department.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 1 inches of water

Upper Permit Limit: 15 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 27: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR 226.2

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When conducting solvent metal cleaning, the facility owner or operator must:

- (a) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere;
- (b) Maintain equipment to minimize leaks and fugitive emissions;
- (c) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds;
- (d) Keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to add or remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning metal parts in a cold cleaning degreaser;
- (e) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request; and
- (f) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

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 1/30/2015.

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

Condition 28: Applicability of General Provisions of 40 CFR 61 Subpart A Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 61, NESHAP Subpart A

Item 28.1: This emission source is subject to the applicable General Provisions of 40 CFR 61. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements



Condition 29: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 61, NESHAP Subpart FF

Item 29.1:
The Compliance Certification activity will be performed for the Facility.

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility owner or operator must submit an updated summary of compliance status whenever a change in facility operations causes, or has the potential to cause, an increase in the amount of benzene contained in the wastes, products, byproducts, or intermediates processed at the facility to 1.1 tons per year or more. Such a report must be submitted within 30 days of the change(s) it describes, and shall contain the information described in 40 CFR 61.357(a) at a minimum.

The facility owner or operator shall periodically measure and record the benzene concentration of the combined process waste streams in each incinerator feed tank (T-80, T-81, and T-82) prior to firing in the incinerator. Such measurements shall be added to any other benzene containing materials processed at the facility in order to determine the annual benzene quantity.

In addition to the measurement and reporting requirements above, the facility owner or operator must maintain the following records:

1. An identification of each waste stream and whether or not it is a process wastewater stream;
2. A record of all test results, measurements, and calculations used to determine:
 - a. The water content of each waste stream;
 - b. The annual quantity of waste processed;
 - c. The range of benzene concentrations in each waste stream;
 - d. The annual flow-weighted benzene concentration; and
 - e. The annual benzene quantity processed at the



facility.

Records compiled pursuant to this condition must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

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 1/30/2015.

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

Condition 30: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1206(c), Subpart EEE

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each set of 10 exceedances of an emission standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period, the facility must:

- (1) Within 45 days of the 10th exceedance, complete an investigation of the cause of each exceedance and evaluation of approaches to minimize the frequency, duration, and severity of each exceedance, and revise the start up, shutdown, and malfunction plan as warranted by the evaluation to minimize the frequency, duration, and severity of each exceedance;
- (2) Record the results of the investigation and evaluation in the operating record, and include a summary of the investigation and evaluation, and any changes to the start up, shutdown, and malfunction plan, in the excess emissions report required under § 63.10(e)(3); and
- (3) Submit a report to the Administrator for each set of



10 exceedances of an emission standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period. Each written report must be submitted within 5 calendar days of the 10th exceedance during any 60-day block period, and must document the exceedances, results of the investigation into their cause, and any corrective measures taken.

On a case-by-case basis, the Administrator may require excessive exceedance reporting when fewer than 10 exceedances occur during a 60-day block period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1206(c)(5), Subpart EEE

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator must keep the combustion zone sealed at all times to prevent leaks. The incinerator pressure shall be continuously maintained, monitored, and recorded during soot blowing operations using a continuous monitoring system in order to demonstrate compliance with this condition.

The facility owner or operator must ensure that hazardous waste is not present in the combustion chamber for the duration of each soot blowing operation.

The facility owner or operator shall maintain a log of the date, time, and duration of each soot blowing operation at the facility for a period of at least five years. Such records shall also indicate the time waste feed to the incinerator was terminated and resumed. Records kept pursuant to this condition must be made available to the Department upon request. Deviations from this limit shall be included in each semiannual report.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



This condition does not apply during periods where no soot blowing is taking place.

Parameter Monitored: PRESSURE

Upper Permit Limit: 14 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 32: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1206(c)(5), Subpart EEE

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Item 32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator must keep the combustion zone sealed at all times to prevent leaks. The incinerator pressure shall be continuously maintained, monitored, and recorded using a continuous monitoring system. Data from the continuous monitoring system shall be sent to the automatic waste feed cut off, and feed to the incinerator shall be immediately terminated if the limit is exceeded.

This condition does not apply during periods of soot blowing.

Parameter Monitored: PRESSURE

Upper Permit Limit: 12 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 33: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019



Applicable Federal Requirement:40CFR 63.1207(b)(1), Subpart EEE

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the mercury emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 130 micrograms per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1207(b)(1), Subpart EEE

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

CAS No: 007440-47-3 CHROMIUM

CAS No: 007440-38-2 ARSENIC

Item 34.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the combined arsenic, beryllium and chromium emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 92 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(b)(1), Subpart EEE

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the particulate matter emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 0.013 grains per dry standard cubic foot (corrected to 7% O₂)

Reference Test Method: EPA Reference Test Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(b)(1), Subpart EEE

Item 36.1:

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

Emission Unit: U-INCIN

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must conduct comprehensive performance testing to periodically verify compliance with the hydrocarbon (expressed as propane) emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

If a destruction and removal efficiency (DRE) test performed pursuant to 40 CFR 63.1207(c)(2) is acceptable as documentation of compliance with the DRE standard, the facility owner or operator may use the highest hourly rolling average hydrocarbon level achieved during the DRE test runs to document compliance with the hydrocarbon standard. An acceptable DRE test is any test for which the data and results were collected pursuant to a Department approved testing protocol and are determined by the Department to meet quality assurance objectives such that the results adequately demonstrate compliance with the DRE standard.

If the facility owner or operator did not obtain hydrocarbon emissions data during the acceptable DRE test sufficient to document compliance with the hydrocarbon emission standard, the facility owner or operator must either:

(1) Conduct, as part of the comprehensive performance test, an equivalent DRE test as described in 40 CFR 63.1206(b)(6)(ii)(A); or

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1207(b)(1), Subpart EEE

Item 38.1:

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

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

CAS No: 007440-43-9 CADMIUM

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the combined cadmium and lead emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 230 micrograms per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1207(b)(1), Subpart EEE

Item 39.1:

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

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the carbon monoxide emission limit contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: EPA Reference Test Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 40: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(b)(1), Subpart EEE

Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 000108-90-7 CHLORO BENZENE

CAS No: 000108-95-2 PHENOL

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the required destruction and removal efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC) must be demonstrated during the comprehensive performance test. The POHCs for this facility are Phenol and Chlorobenzene. The DRE for each POHC must be calculated using the following formula:

$$DRE = [1 - (W_{out} / W_{in})] \times 100\%$$

Where:



Win = mass feed rate of one POHC in a waste feed stream;
and

Wout = mass emission rate of the same POHC present in
exhaust emissions prior to release to the
atmosphere.

Comprehensive performance testing must be conducted no
later than 61 months from the date of the previous
comprehensive performance test, and in accordance with a
testing protocol approved by the Department.

The facility owner or operator must document compliance
with the DRE standard only once provided that the
incinerator is not modified after the DRE test in a manner
that could affect its ability to meet the DRE standard, as
determined by the Department. The facility owner or
operator may use any DRE test data that demonstrates that
the facility meets the required level of DRE
provided:

(1) The design or operation of the incinerator has not
been modified in a manner that could affect its ability to
meet the DRE standard since the DRE test was performed;
and

(2) The DRE test data meets quality assurance objectives
and was collected pursuant to a Department approved
testing protocol.

Lower Permit Limit: 99.99 percent

Reference Test Method: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 41: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(b)(1), Subpart EEE

Item 41.1:

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

Emission Unit: U-INCIN

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

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct comprehensive performance testing to periodically verify compliance with the total chlorine (combined hydrogen chloride and chlorine gas) emission limit, expressed as a chloride (Cl(-)) equivalent, contained in 40 CFR 63.1219. Comprehensive performance testing must be conducted no later than 61 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.

Upper Permit Limit: 32 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: EPA Reference Test Method 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 42: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(b)(2), Subpart EEE

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility must conduct confirmatory performance testing to periodically verify compliance with the dioxin/furan emission limit contained in 40 CFR 63.1219. Confirmatory performance testing must be conducted no later than 31 months from the date of the previous comprehensive performance test, and in accordance with a testing protocol approved by the Department.



Upper Permit Limit: 0.40 nanogram toxicity equivalence
per dry standard cu meter, corrected
to 7% O₂

Reference Test Method: EPA Reference Test Method 0023A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 43: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(e), Subpart EEE

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must notify the department of the intention to conduct a comprehensive performance test and CMS performance evaluation one year prior to the date the performance test and performance evaluation are scheduled to begin. Such a notification shall include a site specific test plan and CMS performance evaluation test plan that meets the criteria of 40 CFR 63 Subpart EEE at a minimum.

The facility owner or operator must submit a notification of the intention to conduct the comprehensive performance test at least 60 days before the test is scheduled to begin.

The facility owner or operator must notify the department of the intention to conduct a confirmatory performance test and CMS performance evaluation test 60 calendar days before the test is scheduled to begin. Such a notification shall include a site specific test plan and CMS performance evaluation test plan that meets the criteria of 40 CFR 63 Subpart EEE at a minimum.

The facility owner or operator must make each site specific test plan and CMS performance evaluation test plan available to the public for review no later than 60 calendar days before the initiation of the test. Such a notice must meet the criteria of 40 CFR 63.1207(e)(2) at a minimum.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1207(m)(1), Subpart EEE

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to conducting the performance test for mercury required by 40 CFR 63.1207(b)(1), the facility owner or operator may:

- (1) Determine the total feed rate of mercury from all feed streams;
- (2) Determine the total stack gas flow rate; and
- (3) Calculate the maximum theoretical emission concentration (MTEC) for mercury.

If the calculated MTEC for mercury is less than the emission standard provided in 40 CFR 63.1219 over the averaging period specified in 40 CFR 63.1209(l), the facility owner or operator may demonstrate compliance by:

- (1) Continuously monitoring and recording the feed rate of mercury using a continuous monitoring system (as specified in 40 CFR 63.1209(c));
- (2) Continuously monitoring and recording the stack gas flow rate using a continuous monitoring system;
- (3) Identifying a limit on the maximum feed rate of mercury and minimum exhaust gas flow rate in each notification of compliance submitted pursuant to 40 CFR 63.1207(j) from all feed streams that ensures the MTEC remains below the emission standard for mercury given in 40 CFR 63.1219; and



(4) Interlocking the maximum feed rate of mercury and minimum exhaust gas flow rate to the AWFCO system to immediately stop the combustion of hazardous waste if either parameter exceeds the limit specified in the notification of compliance.

The facility owner or operator shall maintain a record of the calculated MTEC for mercury in the operating record and repeat the calculation prior to making any change in operation that affects, or could affect, the MTEC for mercury.

The facility owner or operator shall provide the Department with a description of the monitoring strategy and equipment that will be used to demonstrate compliance with this condition at least 30 days in advance of the installation or operation of the system. Such notification shall include the calculated MTEC, and all proposed operating limits. In addition, the notification shall include a proposed schedule for the purchase, installation, and commencement of operation of the required monitoring devices. The proposed monitoring plan must be approved by the Department prior to implementation.

Performance testing for mercury is required during each comprehensive performance test, as described in 40 CFR 63.1207(b)(1), should the facility owner or operator choose not to install, operate, and maintain the required monitoring devices as described in this condition.

All records kept pursuant to this condition must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

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 1/30/2015.

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

Condition 45: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1209(a)(2), Subpart EEE

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must install, calibrate, maintain, and continuously operate the Continuous Emissions Monitoring Systems (CEMS) for carbon monoxide and oxygen in compliance with the quality assurance procedures provided in the appendix of 40 CFR 63 Subpart EEE and Performance Specification 4B in 40 CFR 60 Appendix B.

In order to demonstrate compliance with this requirement, the facility owner or operator must develop, implement, and maintain a quality control and quality assurance (QA/QC) program as described in the appendix of 40 CFR 63 Subpart EEE. A copy of the program must be maintained on site and be made available to the Department upon request.

Records of each daily system audit, calibration drift check, zero drift check, annual relative accuracy test audit, quarterly absolute calibration audit, and interference response test must be maintained at the facility for a period of at least 5 years and made available to the Department upon request.

The facility owner or operator shall submit a copy of each annual relative accuracy test audit and quarterly absolute calibration audit to the Department within 30 days of the completion of the analysis.

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 1/30/2015.

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

Condition 46: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(j)(1), Subpart EEE

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Item 46.2:

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall continuously maintain, monitor, and record the temperature of the combustion chamber at a location that best represents the bulk gas temperature in the combustion zone. Data from the continuous monitoring system shall be sent to the automatic waste feed cut off, and feed to the incinerator shall be immediately terminated if the minimum temperature listed below is not met.

In addition to the monitoring required above, the facility owner or operator must verify, as part of the comprehensive performance test, that the minimum temperature listed in this condition is sufficient to ensure acceptable operation of the incinerator.

Deviations shall be included in the semiannual and annual compliance reports.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1810 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 47: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(j)(2), Subpart EEE

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall continuously maintain, monitor, and

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



record the flow rate of gases exiting the wet electrostatic precipitator (stack gas flow rate). Data shall be sent to the automatic waste feed cut off, and feed to the incinerator shall be immediately terminated if the maximum flow rate listed below is exceeded.

Parameter Monitored: VOLUMETRIC FLOW RATE
Upper Permit Limit: 7000 cubic feet per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(j)(3), Subpart EEE

Item 48.1:
The Compliance Certification activity will be performed for the Facility.

Item 48.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must ensure that the maximum total organic content fed to the incinerator does not exceed 8 pounds per minute on an hourly rolling average basis. The feed rate shall be monitored using a continuous monitoring system. Deviations shall be reported in semiannual compliance reports.

Parameter Monitored: MASS FLOW RATE
Upper Permit Limit: 8 pounds per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(j)(3), Subpart EEE

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Item 49.1:

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

Emission Unit: U-INCIN

Item 49.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must ensure that the total hazardous waste feed rate fed to the incineration unit does not exceed 47 pounds per minute on an hourly rolling average basis. The feed rate shall be monitored using a continuous monitoring system. Data from the continuous monitoring system shall be sent to the automatic waste feed cut off, and waste feed to the incineration unit must be immediately terminated if the limit is exceeded. Deviations shall be reported in semiannual compliance reports.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 47 pounds per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 50: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(j)(4), Subpart EEE

Item 50.1:

The Compliance Certification activity will be performed for the Facility.

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall ensure that the hazardous waste firing system is maintained in good operating condition by monitoring the atomization air pressure of the firing system. Atomization air pressure measurements shall be made and recorded on an hourly basis. The continuous monitoring system shall be designed

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



and operated such that an audible alarm sounds when the atomizing air pressure listed in this condition falls below the stated value.

The facility owner or operator shall maintain a record indicating the date, duration, and cause of each alarm as well as any corrective action taken. Such records shall be maintained at the facility for a period of at least five years, and must be made available to the Department upon request. Deviations shall be included in the semiannual and annual compliance reports.

In addition to the monitoring required above, the facility owner or operator must verify, as part of the comprehensive performance test, that the atomizing air pressure listed in this condition is sufficient to ensure acceptable operation of the incinerator.

Parameter Monitored: PRESSURE

Lower Permit Limit: 11 inches of water

Monitoring Frequency: HOURLY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 51: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(k)(1), Subpart EEE

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Process: 005

Emission Source: 0IN02

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall continuously monitor, maintain, and record the inlet temperature to the wet electrostatic precipitator using a continuous monitoring system. Data from the continuous monitoring system shall be sent to the automatic waste feed cut off, and feed to the incinerator shall be immediately



terminated if the limit is exceeded.

In addition to the monitoring required above, the facility owner or operator must verify, as part of the comprehensive performance test, that the temperature listed in this condition is sufficient to ensure acceptable operation of the wet electrostatic precipitator.

Deviations shall be included in the semiannual and annual compliance reports.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 220 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 52: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(I)(1), Subpart EEE

Item 52.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must control emissions of mercury from the incineration unit by limiting the total feed rate of mercury from all waste streams to 0.0000076 pounds per hour, on a 12 hour rolling average basis. When more than one feed stream is fed to the incinerator, the facility must calculate the total contribution of mercury from all sources (wastes, fuel, and any other materials) being fed to the incinerator. These values must be obtained and calculated in accordance with the approved feed stream analysis plan contained in the operating record.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 54: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(iv), Subpart EEE

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Process: 005

Emission Source: 0IN02

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

CAS No: 0NY075-00-0

PARTICULATES

Item 54.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall continuously monitor, maintain, and record the pH of the sump liquor exiting the wet electrostatic precipitator using a continuous monitoring system. The continuous monitoring system shall be designed and operated such that an audible alarm sounds when the pH listed in this condition is not met.

The facility owner or operator shall maintain a record indicating the date, duration, and cause of each alarm as well as any corrective action taken. Such records shall be maintained at the facility for a period of at least five years, and must be made available to the Department upon request. Deviations shall be included in the semiannual and annual compliance reports.

In addition to the monitoring required above, the facility owner or operator must verify, as part of the comprehensive performance test, that the pH listed in this condition is sufficient to ensure acceptable operation of the wet electrostatic precipitator.

Parameter Monitored: PH



precipitator.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 175 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 56: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(iv), Subpart EEE

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Process: 005

Emission Source: 0IN02

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall continuously monitor, maintain, and record the wet electrostatic precipitator sump blow down using a continuous monitoring system. The continuous monitoring system shall be designed and operated such that an audible alarm sounds when the minimum sump blow down listed in this condition is not met.

The facility owner or operator shall maintain a record indicating the date, duration, and cause of each alarm as well as any corrective action taken. Such records shall be maintained at the facility for a period of at least five years, and must be made available to the Department upon request. Deviations shall be included in the semiannual and annual compliance reports.

In addition to the monitoring required above, the facility owner or operator must verify, as part of the comprehensive performance test, that the minimum sump blow

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



down listed in this condition is sufficient to ensure acceptable operation of the wet electrostatic precipitator.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 5 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 57: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1209(m)(3), Subpart EEE

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must control emissions of particulate matter from the incineration unit by limiting the total feed rate of ash from all waste streams to no more than 36 pounds per 12 hours, on a rolling average basis. When more than one feed stream is fed to the incinerator, the facility must calculate the total contribution of ash from all sources (wastes, fuel, and any other materials) being fed to the incinerator. These values must be obtained and calculated in accordance with the approved feed stream analysis plan contained in the operating record.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 36 pounds per 12 hours

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(n)(2)(ii), Subpart EEE

Item 58.1:

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

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007440-41-7	BERYLLIUM
CAS No: 007440-47-3	CHROMIUM
CAS No: 007440-38-2	ARSENIC

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must control emissions of arsenic, beryllium, and chromium from the incineration unit by limiting the combined total feed rate of arsenic, beryllium, and chromium from all waste streams to 0.00059 pounds per hour, on a 12 hour rolling average basis. When more than one feed stream is fed to the incinerator, the facility must calculate the total contribution of arsenic, beryllium, and chromium from all sources (wastes, fuel, and any other materials) being fed to the incinerator. These values must be obtained and calculated in accordance with the approved feed stream analysis plan contained in the operating record.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 0.00059 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 59: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(n)(2)(ii), Subpart EEE

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Item 59.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

CAS No: 007440-43-9 CADMIUM

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must control emissions of cadmium and lead from the incineration unit by limiting the combined total feed rate of cadmium and lead from all waste streams to 0.00024 pounds per hour, on a 12 hour rolling average basis. When more than one feed stream is fed to the incinerator, the facility must calculate the total contribution of cadmium and lead from all sources (wastes, fuel, and any other materials) being fed to the incinerator. These values must be obtained and calculated in accordance with the approved feed stream analysis plan contained in the operating record.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 0.00024 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 60: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 40CFR 63.1209(o)(1), Subpart EEE

Item 60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Item 60.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must control emissions of chlorine from the incineration unit by limiting the total feed rate of chlorine (both organic and inorganic) from all waste streams to 13.75 pounds per 12 hours, on a rolling average basis. When more than one feed stream is fed to the incinerator, the facility must calculate the total contribution of chlorine from all sources (wastes, fuel, and any other materials) being fed to the incinerator. These values must be obtained and calculated in accordance with the approved feed stream analysis plan contained in the operating record.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 13.75 pounds per 12 hours

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 61: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1219(a), Subpart EEE

Item 61.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility must continuously monitor the carbon monoxide concentration of the flue gas to demonstrate compliance with Subpart EEE. In addition, the facility must operate a monitoring system for oxygen and use the

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



recorded values to continuously correct the measured carbon monoxide concentration to 7% oxygen. Data from the continuous monitoring system shall be sent to the automatic waste feed cutoff, and feed to the incinerator shall be immediately terminated if the rolling average concentration exceeds the upper limit.

Rolling carbon monoxide averages must be calculated as described in 40 CFR 63 Subpart 1209(a). The oxygen and carbon monoxide CEMS must be installed, calibrated, maintained, and continuously operated as described in Performance Specification 4B in 40 CFR 60 Appendix B. Deviations must be reported in the semiannual and annual compliance report.

Manufacturer Name/Model Number: Rosemount 880 non-dispersive/CAI ZRE/NDIR

Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O2)

Reference Test Method: EPA Reference Method 10

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

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

**Condition 62: Emission Point Definition By Emission Unit
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 62.1:

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

Emission Unit: 0-UMISC

Emission Point: 0B011

Height (ft.): 30 Diameter (in.): 24
NYTMN (km.): 4779.7 NYTME (km.): 174.3 Building: MSBR

Emission Point: 0FL02

Height (ft.): 23 Diameter (in.): 14
NYTMN (km.): 4779.7 NYTME (km.): 174.3 Building: W6

Emission Point: 0FL03

Height (ft.): 42 Length (in.): 10 Width (in.): 14
NYTMN (km.): 4779.7 NYTME (km.): 174.3 Building: W6

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Emission Point: OMS21			
Height (ft.): 16	Diameter (in.): 24		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: MSBR	
Emission Point: OPB08			
Height (ft.): 25	Diameter (in.): 10		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M3	
Emission Point: 0VF01			
Height (ft.): 10	Length (in.): 24	Width (in.): 12	
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M3	
Emission Point: 0WH40			
Height (ft.): 25	Diameter (in.): 7		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M1	
Emission Point: FFR04			
Height (ft.): 20	Diameter (in.): 10		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M3	
Emission Point: TM103			
Height (ft.): 21	Diameter (in.): 2		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M1	

Item 62.2:

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

Emission Unit: U-INCIN			
Emission Point: 0IN01			
Height (ft.): 55	Diameter (in.): 16		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: BR	
Emission Point: FBH20			
Height (ft.): 70	Diameter (in.): 10		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: BR	

Item 62.3:

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

Emission Unit: U-KETTL			
Emission Point: 0LR21			
Height (ft.): 52	Diameter (in.): 13		
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M7	
Emission Point: 0LR22			
Height (ft.): 19	Length (in.): 18	Width (in.): 18	
NYTMN (km.): 4779.7	NYTME (km.): 174.3	Building: M7	
Emission Point: 0LR25			



Height (ft.): 58 NYTMN (km.): 4779.7	Diameter (in.): 3 NYTME (km.): 174.3	Building: M7
Emission Point: 0LR26 Height (ft.): 50 NYTMN (km.): 4779.7	Diameter (in.): 7 NYTME (km.): 174.3	Building: M7
Emission Point: 0PB07 Height (ft.): 42 NYTMN (km.): 4779.7	Diameter (in.): 6 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB22 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB24 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB25 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB26 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB27 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB29 Height (ft.): 52 NYTMN (km.): 4779.7	Diameter (in.): 8 NYTME (km.): 174.3	Building: M3
Emission Point: 0PB30 Height (ft.): 55 NYTMN (km.): 4779.7	Diameter (in.): 32 NYTME (km.): 174.3	Building: W2A
Emission Point: 0PR30 Height (ft.): 43 NYTMN (km.): 4779.7	Diameter (in.): 16 NYTME (km.): 174.3	Building: M3
Emission Point: 0V315 Height (ft.): 9 NYTMN (km.): 4779.7	Diameter (in.): 3 NYTME (km.): 174.3	Building: M3
Emission Point: 0V316 Height (ft.): 9 NYTMN (km.): 4779.7	Diameter (in.): 3 NYTME (km.): 174.3	Building: M3

Item 62.4:



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

Emission Unit: U-SOLID

Emission Point: OFL01	Removal Date: 12/07/2012
Height (ft.): 21	Diameter (in.): 14
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: W6
Emission Point: OWH51	
Height (ft.): 71	Diameter (in.): 14
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M7
Emission Point: OWH53	
Height (ft.): 46	Diameter (in.): 14
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M5
Emission Point: OWH55	
Height (ft.): 20	Diameter (in.): 3
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M5
Emission Point: OWH60	
Height (ft.): 28	Length (in.): 10 Width (in.): 10
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M6
Emission Point: OWH61	
Height (ft.): 33	Length (in.): 8 Width (in.): 8
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M3
Emission Point: DC801	
Height (ft.): 9	Length (in.): 34 Width (in.): 29
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M7
Emission Point: DM604	
Height (ft.): 40	Length (in.): 6 Width (in.): 6
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M6
Emission Point: DM605	
Height (ft.): 40	Length (in.): 6 Width (in.): 6
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M6

Item 62.5:

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

Emission Unit: U-TANKS

Emission Point: FM322	
Height (ft.): 57	Length (in.): 24 Width (in.): 24
NYTMN (km.): 4779.7	NYTME (km.): 174.3 Building: M3
Emission Point: RCRAV	
Height (ft.): 9	Diameter (in.): 3
NYTMN (km.): 4779.7	NYTME (km.): 174.3



Condition 63: Process Definition By Emission Unit
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 63.1:

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

Emission Unit: 0-UMISC
Process: 004 Source Classification Code: 3-01-018-05
Process Description:
All miscellaneous facility sources involved in the production of phenolic resins. Includes a welding booth, belt flaker, cooling fans, a liquid resin filter changing booth fan, resin cooling floor ventilation fans, pilot plant resin production equipment, and a boiler.

Emission Source/Control: 0B011 - Combustion

Emission Source/Control: 0FL02 - Process

Emission Source/Control: 0FL03 - Process

Emission Source/Control: 0MS21 - Process

Emission Source/Control: 0PB08 - Process

Emission Source/Control: 0VF01 - Process

Emission Source/Control: 0WH40 - Process

Emission Source/Control: TM103 - Process

Item 63.2:

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

Emission Unit: U-INCIN
Process: 005 Source Classification Code: 3-01-018-05
Process Description: Process wastewater incinerator.

Emission Source/Control: 0IN02 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 0IN01 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: HAZARDOUS WASTE

Item 63.3:

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

Emission Unit: U-KETTL



Process: 002 Source Classification Code: 3-01-018-05

Process End Date: 12/7/2012

Process Description:

ALL FACILITY PRODUCTION KETTLES USED IN THE MANUFACTURING OF PHENOLIC RESINS. INCLUDES CONDENSERS, VACUUM PUMPS, RECEIVERS, AND AGITATORS. *FOR THRUPUT QUANTITIES, SEE TABLE 3 OF ATTACHED EMISSIONS INVENTORY IN TITLE V APPLICATION. THIS PROCESS UNIT IS ASSUMING THE REGENERATIVE THERMAL OXIDIZER IS NOT IN OPERATION.

Emission Source/Control: 0PB30 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 0LR21 - Process

Emission Source/Control: 0LR22 - Process

Emission Source/Control: 0LR25 - Process

Emission Source/Control: 0LR26 - Process

Emission Source/Control: 0PB07 - Process

Emission Source/Control: 0PB22 - Process

Emission Source/Control: 0PB24 - Process

Emission Source/Control: 0PB25 - Process

Emission Source/Control: 0PB26 - Process

Emission Source/Control: 0PB27 - Process

Emission Source/Control: 0PB29 - Process

Emission Source/Control: 0V315 - Process

Emission Source/Control: 0V316 - Process

Item 63.4:

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

Emission Unit: U-KETTL

Process: 006

Source Classification Code: 3-01-018-05

Process Description:

Kettle 1 (0PB22) and Kettle 4 (0PB26). These kettles are used only to make liquids (there is no drop floor available). Steam is used as the heat source on the reactor jacket. Phenol, formaldehyde, and a catalyst (i.e.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



caustic, ammonium hydroxide) are added to the reactor to make a phenolic resin. Water or a solvent (i.e. methanol, ethanol, butanol, etc.) are added to make a liquid. The resin is filtered (PB-08) and then sent to a resin storage tank (ST-74, 77, 78), or placed in drums or totes.

Emission Source/Control: OPB22 - Process

Emission Source/Control: OPB26 - Process

Item 63.5:

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

Emission Unit: U-KETTL

Process: 007

Source Classification Code: 3-01-018-05

Process Description:

Kettle 2 (OPB24) and Kettle 3 (OPB25). These kettles are typically used for solids, but they can also be used for liquids. Steam is used as the heat source on the reactor jacket. Phenol, bis-phenol A, or para tertiary butyl phenol and formaldehyde with a catalyst (i.e. caustic, ammonium hydroxide) are added to the reactor to make a phenolic resin. For solid phenolic resin, the resin is placed on the cooling floor (OVF01).

Emission Source/Control: OPB24 - Process

Emission Source/Control: OPB25 - Process

Item 63.6:

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

Emission Unit: U-KETTL

Process: 008

Source Classification Code: 3-01-018-05

Process Description:

Kettle 5 (OPB27). This kettle is not used to produce liquid resins. Hot oil is used as a heat source on the reactor jacket. Phenol, formaldehyde, and a catalyst (i.e. sulfuric acid, oxalic acid) are added to the reactor to make phenolic resin. The phenolic resin material is either sent to the flaker or to the cooling floor.

Emission Source/Control: OPB27 - Process

Design Capacity: 2,800 gallons

Emission Source/Control: OV315 - Process

Design Capacity: 300 gallons

Item 63.7:

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

Emission Unit: U-KETTL



Process: 009 Source Classification Code: 3-01-018-05

Process Description:

Kettle 6 (OPB29). This kettle is not used to produce liquid resins and cannot be put to the cooling floor. Hot oil is used as a heat source on the reactor jacket. Phenol, formaldehyde, and a catalyst (i.e. sulfuric acid, oxalic acid) are added to the reactor to make phenolic resin. The phenolic resin material is sent to the flaker.

Emission Source/Control: OPB29 - Process
Design Capacity: 7,800 gallons

Emission Source/Control: 0V316 - Process
Design Capacity: 700 gallons

Item 63.8:

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

Emission Unit: U-KETTLL

Process: 010 Source Classification Code: 3-01-018-05

Process Description:

Kettle 7 (0LR21, 0LR22, 0LR25, and 0LR26). This kettle is used only to produce liquids. There is no drop floor available. Kettle 7 is the only kettle to use allyl chloride. Steam is used as the heat source on the reactor jacket. Phenol, formaldehyde, and a catalyst (i.e. caustic, ammonium hydroxide) are added to the reactor to make a phenolic resin. Water or a solvent (i.e. methanol, ethanol, butanol, etc.) are added to make a liquid. The resin is filtered and then sent to a resin storage tank (ST-74, 77, 78), or placed in drums.

Emission Source/Control: 0LR21 - Process
Design Capacity: 6,850 gallons

Emission Source/Control: 0LR22 - Process
Design Capacity: 55 gallons

Emission Source/Control: 0LR25 - Process

Emission Source/Control: 0LR26 - Process

Item 63.9:

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

Emission Unit: U-KETTLL

Process: 011 Source Classification Code: 3-01-018-05

Process Description:

Vacuum pumps for kettles 1 through 6. These pumps are tied to the regenerative thermal oxidizer.

Emission Source/Control: 0PB30 - Control



Control Type: THERMAL OXIDATION

Emission Source/Control: 0PB07 - Process

Item 63.10:

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

Emission Unit: U-SOLID
Process: 003 Source Classification Code: 3-01-018-05
Process Description:
Flaker druming with dust collector.

Molten phenolic resin is cooled on a stainless steel conveyor belt. This thin sheet of phenolic resin is broken up into flakes by a rotating crusher. The flakes are conveyed by a bucket elevator to a hopper that fills drums or super sacks. The flaker dust collector pulls any nuisance dust created by the breaking of the brittle phenolic resin or when drumming or filling super sacks.

Emission Source/Control: DCF01 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0FL01 - Process

Item 63.11:

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

Emission Unit: U-SOLID
Process: 013 Source Classification Code: 3-01-018-05
Process Description:
#3 crusher with dust collector. Brittle phenolic resin is reduced in size by a crusher and placed in a hopper where the material is either drummed off or placed in bags as final product. Nuisance dust is pulled into the dust collector at the crusher and packaging areas.

Emission Source/Control: DC502 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0WH53 - Process

Item 63.12:

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

Emission Unit: U-SOLID
Process: 014 Source Classification Code: 3-01-018-05
Process Description:
Resin drumming with dust collector. The powdered material from the mixer in process 012 is conveyed to a drum filling station, super sack filler, or bag filling station where a dust collector pulls any nuisance dust while



packaging the final product.

Emission Source/Control: DC303 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0WH60 - Process

Item 63.13:

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

Emission Unit: U-SOLID
Process: 015 Source Classification Code: 3-01-018-05
Process Description: Vacuum resin transport.

Emission Source/Control: DC601 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: DM604 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: DM605 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0WH51 - Process

Item 63.14:

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

Emission Unit: U-SOLID
Process: 12A Source Classification Code: 3-01-018-05
Process Description:

#5 grinder crusher with dust collector. Drums or super sacks of phenolic resin are put through a crusher to break up the resin before pulverizing it into a powder. Nuisance dust is pulled into the dust collector.

Emission Source/Control: DC603 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0WH61 - Process

Item 63.15:

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

Emission Unit: U-SOLID
Process: 12B Source Classification Code: 3-01-018-05
Process Description:

#5 Grinder with dust collector. The crushed resin from process 12A is passed through a grinder which pulverizes the crushed resin into a powder. The powder is pneumatically conveyed to a product dust collector and then sent to one of two mixers. The mixers have bin vents



on them to collect any nuisance dust.

Emission Source/Control: DC601 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: DM604 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: DM605 - Control
Control Type: DUST COLLECTOR

Emission Source/Control: 0WH51 - Process

Item 63.16:

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

Emission Unit: U-TANKS

Process: 001

Source Classification Code: 3-01-018-11

Process Description:

All facility process tanks used in the production of phenolic resin. Includes storage tanks, weigh tanks, filter tanks, drums, and tank wagons.

Emission Source/Control: 0ST32 - Process

Emission Source/Control: 0ST42 - Process

Emission Source/Control: 0ST61 - Process

Emission Source/Control: 0ST63 - Process

Emission Source/Control: 0ST64 - Process

Emission Source/Control: 0ST65 - Process

Emission Source/Control: 0ST66 - Process

Emission Source/Control: 0ST67 - Process

Emission Source/Control: 0ST68 - Process

Emission Source/Control: 0ST69 - Process

Emission Source/Control: 0ST70 - Process

Emission Source/Control: 0ST71 - Process

Emission Source/Control: 0ST72 - Process

Emission Source/Control: 0ST73 - Process

Emission Source/Control: 0ST74 - Process



- Emission Source/Control: 0ST75 - Process
- Emission Source/Control: 0ST77 - Process
- Emission Source/Control: 0ST78 - Process
- Emission Source/Control: 0ST88 - Process
- Emission Source/Control: 0ST89 - Process
- Emission Source/Control: 0TW01 - Process
- Emission Source/Control: 0TW02 - Process
- Emission Source/Control: 0TW03 - Process
- Emission Source/Control: 0TW04 - Process
- Emission Source/Control: 0V703 - Process
- Emission Source/Control: 0WT01 - Process
- Emission Source/Control: 0WT02 - Process
- Emission Source/Control: 0WT04 - Process
- Emission Source/Control: FM322 - Process
- Emission Source/Control: OOT80 - Process
- Emission Source/Control: OOT81 - Process
- Emission Source/Control: OOT82 - Process
- Emission Source/Control: OOT83 - Process
- Emission Source/Control: TM312 - Process
- Emission Source/Control: TM313 - Process
- Emission Source/Control: TM701 - Process

Condition 64: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR Part 212

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UMISC

Emission Point: 0FL03

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Regulated Contaminant(s):
CAS No: 000108-95-2 PHENOL

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall conduct a stack test once every five years in order to demonstrate that the control efficiency listed below for the aqueous plate scrubber is being met. Such a test must be conducted pursuant to a Department approved testing protocol, submitted at least 30 days prior to the test.

Lower Permit Limit: 98 percent

Reference Test Method: EPA Reference Test Method

Monitoring Frequency: Once every five years

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 65: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR Part 212

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UMISC Emission Point: 0FL03

Regulated Contaminant(s):
CAS No: 000108-95-2 PHENOL

Item 65.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall monitor the pressure drop across the aqueous plate scrubber controlling emission point 0FL03. A pressure drop between 3 and 5 inches of water indicates proper fluidization. In addition to the monitoring specified above, the facility owner or operator shall empty and refill the water recycle tank with fresh water once every five batches.

The facility owner or operator shall compile and maintain a record indicating the date of each batch and the date

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



the water recycle tank is refilled for a period of at least five years. Such records must be made available to the Department upon request.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 3 inches of water

Upper Permit Limit: 5 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 66: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1206(b)(5), Subpart EEE

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility changes the design, operation, or maintenance practices of the source in a manner that may adversely affect compliance with any emission standard that is not monitored with a CEMS, the facility must:

- 1) Notify NYSDEC at least 60 days prior to the change, unless the circumstances are documented that dictate why such prior notice is not reasonably feasible. The notification must include a description of the changes and which emission standards may be affected and a comprehensive performance test schedule and test plan under the requirements of §63.1207(f) that will document compliance with the affected emission standard.
- 2) Conduct a performance test under the requirements of §63.1207(f)(1) and (g)(1) to document compliance with the affected emission standard(s) and establish operating parameter limits as required in §63.1209, and submit to



NYSDEC a Notification of Compliance under §63.1207(j) and §63.1210(d).

3) The facility may not burn hazardous waste for more than 720 hours after the change and prior to submittal of the notification of compliance. Burning hazardous waste may only be performed for the purposes of pretesting or comprehensive performance testing. The facility may petition NYSDEC to obtain written approval to burn hazardous waste in the interim prior to submitting a Notification of Compliance for purposes other than testing or pretesting. The facility must specify operating requirements, including limits on operating parameters, that is determined will ensure compliance with the emission standards of 40CFR63, subpart EEE based on available information.

If the facility determines that a change will not adversely affect compliance with the emission standards or operating requirements, the facility must document the change in the operating record upon making such change. The facility must revise as necessary the performance test plan, Documentation of Compliance, Notification of Compliance, and startup, shutdown, and malfunction plan to reflect these changes.

For purposes of this condition, "change" means any change in design, operation, or maintenance practices that were documented in the comprehensive performance test plan, Notification of Compliance, or startup, shutdown, and malfunction plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:40CFR 63.1209(c)(4), Subpart EEE

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

To comply with the applicable feedrate limits of §63.1209, the facility must monitor and record feedrates as follows:

- Determine and record the value of the parameter for each feedstream by sampling and analysis or other method;
- Determine and record the mass or volume flowrate of each feedstream by a CMS. If the facility determines flowrate of a feedstream by volume, the facility must determine and record the density of the feedstream by sampling and analysis (unless the facility reports the constituent concentration in units of weight per unit volume (e.g., mg/l)); and
- Calculate and record the mass feedrate of the parameter per unit time.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 68: Compliance Certification

Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-SOLID

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On a weekly basis, the facility operator shall conduct a visual inspection of each dust collector at the facility. If visible emissions are observed, the facility operator shall investigate their cause and take corrective action.

The facility operator shall maintain a record of each such inspection, including the date, emission point identifier, and whether or not visible emissions were observed. Such records shall also indicate the date and type of corrective action that was taken, if applicable. Records shall be maintained for a period of at least five years, and must be made available to the Department upon request.

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



Monitoring Frequency: WEEKLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-SOLID

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: WEEKLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 70: Compliance Certification
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable Federal Requirement:6 NYCRR 212.4

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-TANKS

Item 70.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On a weekly basis, the facility operator shall conduct emission monitoring on the RCRA storage tank (Tanks ST-63, OOT-80, OOT-81, OOT-82, and OOT-83) carbon system utilizing the H-Nu meter. Sampling shall be conducted between the primary and secondary carbon canisters to minimize emissions to the environment through the secondary canister. A reading in excess of 100 ppm of organics against the background concentration shall indicate breakthrough in the primary carbon canister. If breakthrough is observed, the canisters shall be replaced in a timely manner to ensure breakthrough does not occur in the secondary carbon canister.

The facility operator shall maintain a record of each observation, including the date, measured concentration, background concentration and whether or not breakthrough was observed. Such records shall also indicate the date of canister replacement, if applicable. Records shall be maintained for at least five years, and must be made available to the Department upon request.

Manufacturer Name/Model Number: HNU

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 100 parts per million (by volume)

New York State Department of Environmental Conservation
Permit ID: 9-2911-00111/00105 Facility DEC ID: 9291100111



Monitoring Frequency: WEEKLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
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: 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 71: Contaminant List
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable State Requirement:ECL 19-0301

Item 71.1:

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

CAS No: 000108-90-7
Name: CHLOROBENZENE

New York State Department of Environmental Conservation

Permit ID: 9-2911-00111/00105

Facility DEC ID: 9291100111



CAS No: 000108-95-2

Name: PHENOL

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 001746-01-6

Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY998-00-0

Name: VOC

**Condition 72: Malfunctions and start-up/shutdown activities
Effective between the dates of 10/31/2014 and 10/30/2019**

Applicable State Requirement:6 NYCRR 201-1.4

Item 72.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.



(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 73: Compliance Demonstration
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable State Requirement: 6 NYCRR 201-1.4

Item 73.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 73.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall ensure that the regenerative thermal oxidizer (RTO) bypass stack is not used except during periods of RTO malfunction when a kettle has already been charged and a polymerization reaction is ongoing. The facility shall compile and maintain a record of each such use, as described in 6 NYCRR 201-1.4, that includes the following information at



a minimum:

- (a) The date, time, and duration of bypass stack operation;
- (b) The cause of the malfunction and a description of any corrective action taken, if applicable; and
- (c) An estimate of emissions during the malfunction period.

Records created pursuant to this condition shall be included in the semiannual and annual compliance reports, and must be maintained at the facility for a period of at least five years.

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 1/30/2015.

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

Condition 74: Visible Emissions Limited
Effective between the dates of 10/31/2014 and 10/30/2019

Applicable State Requirement:6 NYCRR 211.2

Item 74.1:

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

