

Facility DEC ID: 541540002

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-4154-00002/01743
Effective Date: 09/19/2023 Expiration Date: 09/18/2028

Permit Issued To:MPM SILICONES LLC
260 HUDSON RIVER RD
WATERFORD, NY 12188

Facility: MOMENTIVE PERFORMANCE MATERIALS
260 HUDSON RIVER RD
WATERFORD, NY 12188

Contact: RUTH YEOMANS
MOMENTIVE PERFORMANCE MATERIALS
260 HUDSON RIVER RD
WATERFORD, NY 12188
(518) 233-5075

Description:
Momentive Performance Materials operates a silicone production facility (sic 2821) located in Saratoga County, New York, in the town of Waterford. The plant is approximately 12 miles north of Albany. The site produces silicone products and materials including resins, fluids, dispersions, emulsions, heat curing elastomers and room temperature vulcanizing (rtv) elastomers. The site has continuous and batch chemicals processes, compounding, finishing and packaging operations, and steam generation capability.

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: BETH A MAGEE
NYSDEC - WARRENSBURG SUBOFFICE
232 GOLF COURSE RD
WARRENSBURG, NY 12885-1172

Authorized Signature: _____ Date: ___ / ___ / ____

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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.

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- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 5 5 Submission of application for permit modification or renewal-REGION 5 SUBOFFICE - WARRENSBURG

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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 the expiration of permits for Title V and 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

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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.

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Condition 5: Submission of application for permit modification or renewal-REGION 5
SUBOFFICE - WARRENSBURG
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 5 Sub-office
Division of Environmental Permits
232 Golf Course Road
Warrensburg, NY 12885-1172
(518) 623-1281

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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260 HUDSON RIVER RD
WATERFORD, NY 12188

Facility: MOMENTIVE PERFORMANCE MATERIALS
260 HUDSON RIVER RD
WATERFORD, NY 12188

Authorized Activity By Standard Industrial Classification Code:
2819 - INDUSTRIAL INORGANIC CHEMICALS
2821 - PLASTICS MATERIALS AND RESINS
2822 - SYNTHETIC RUBBER
2869 - INDUSTRIAL ORGANIC CHEMICALS,NEC

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- 113 123 40CFR 63.988(b), Subpart SS: Compliance Certification
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- 139 141 40CFR 63.1023(c), Subpart UU: Compliance Certification
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- 192 188 40CFR 63.2450(p), Subpart FFFF: Opening a safety device
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- 193 191 40CFR 63.2455(a), Subpart FFFF: Compliance Certification
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- 195 193 40CFR 63.2455(a), Subpart FFFF: Compliance Certification
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- 219 217 40CFR 63.7881(c), Subpart GGGGG: Compliance Certification
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- 220 219 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 221 220 40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification
- 222 221 40 CFR Part 98: Compliance Certification
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- 223 222 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 255 223 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

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- 348 225 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 349 226 6 NYCRR 211.1: Air pollution prohibited
- 349 227 6 NYCRR 212-2.1: Compliance Demonstration
- 350 228 6 NYCRR 212-2.1: Compliance Demonstration
- 351 229 6 NYCRR 212-2.1: Compliance Demonstration
- 351 230 6 NYCRR 212-2.1: Compliance Demonstration
- 352 231 6 NYCRR 212-2.1: Compliance Demonstration
- 353 232 6 NYCRR 212-2.1: Compliance Demonstration
- 354 233 6 NYCRR 212-2.1: Compliance Demonstration
- 354 234 6 NYCRR 212-2.1: Compliance Demonstration
- 355 235 6 NYCRR 212-2.1: Compliance Demonstration
- 356 236 6 NYCRR 212-2.1: Compliance Demonstration
- 357 237 6 NYCRR 212-2.1: Compliance Demonstration
- 357 238 6 NYCRR 212-2.1: Compliance Demonstration
- 358 239 6 NYCRR 212-2.1: Compliance Demonstration
- 359 240 6 NYCRR 212-2.1: Compliance Demonstration
- 360 241 6 NYCRR 212-2.1: Compliance Demonstration
- 361 242 6 NYCRR 212-2.4 (b): Compliance Demonstration
- 362 243 6 NYCRR 212-2.4 (b): Compliance Demonstration

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NOTE: * preceding the condition number indicates capping.

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 4/FINAL

**** 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: 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 B: 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 C: 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 D: 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 E: 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

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: 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 G: 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 H: 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 I: 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

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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 J: 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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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

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

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

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

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

Item K: 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 L: 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 09/19/2023 and 09/18/2028**

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

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

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,

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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

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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 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

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

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specified in any special permit terms or conditions;
and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All 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 – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
Region 5 Suboffice
232 Golf Course Road
Warrensburg, NY 12885-1172

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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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 10/30/2023.
Subsequent reports are due on the same day each year

Condition 7: Recordkeeping requirements
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

(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 8: Recordkeeping requirements
Effective between the dates of 09/19/2023 and 09/18/2028

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 09/19/2023 and 09/18/2028

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,

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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".]

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Condition 10: Recycling and Salvage
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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

Condition 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 12.1:

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 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 13.1:

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 14: Requirement to Provide Information
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 14.1:

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

Condition 15: Right to Inspect
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 15.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 16: Required Emissions Tests
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 16.1:

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 17: Accidental release provisions.
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40 CFR Part 68

Item 17.1:

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Process: 025 Emission Source: D4CON

Emission Unit: C-27018
 Process: 026 Emission Source: D4CON

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A pre-condenser (D4CON) is used to condition the air stream prior to treatment in the MON MACT Thermal Oxidizer or Fixed Box #2 Incinerator. Condenser temperature is recorded in Provox/PI to verify operation. As long as water flow temperature remains at or below 30 degrees celcius during process operation, this condition is met. This condenser is for pre-conditioning, not control, of emissions from processes 023, 024, 025 and 026.

Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 20: Emission Unit Definition
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

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

Emission Unit: C-27018

Emission Unit Description:

This unit consists of specific processes in buildings/areas 14, 21, 23, 24, 27, 30, 35, 37, 71, 72, 76, 78 and the WWTP. The unit includes the following control devices and their associated equipment: the MON MACT Thermal Oxidizer, the Fixed Box Vent Incinerator, and scrubbers in areas 23, 71, and 76. Sources in this unit include storage tanks, distillation columns and process vessels and equipment. Applicable regulations for unit C-27018 include: 40 CFR 63 Subparts F, G, and H, the Miscellaneous Organic NESHAP (MON MACT) under 40 CFR Subpart FFFF, New Source Performance Standards (NSPS) for volatile organic liquid storage tanks under 40 CFR 60 Subpart Kb, Volatile Organic Compound Reasonably Available Control Technology (VOC RACT) under 6 NYCRR Subpart 212,

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VOC RACT for storage tanks under 6 NYCRR Subpart 229, and State Air Toxics under 6 NYCRR Subpart 212.

Building(s): 14
 21
 23
 24
 24A
 27
 30
 35
 37
 71
 76
 78
 97
 All
 AREA 96

Item 20.2:

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

Emission Unit: C-27035

Emission Unit Description:

Emission unit C-27035 is comprised of several above ground storage tanks which are used to store acids. The tanks vent to a water scrubber.

Building(s): 27

Item 20.3:

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

Emission Unit: E-LISTS

Emission Unit Description:

This EU consists of lists of Processes, Emission Points & Emission Sources referenced in other EU Compliance Monitoring Activities

Building(s): All
 AREA 96

Item 20.4:

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

Emission Unit: F-INISH

Emission Unit Description:

Finishing - intermediate and final production of silicone products and materials including resins, fluids, dispersions, emulsions, heat curing elastomers, room temperature vulcanizing (rtv) elastomers, sealants, and treated fumed silica. Also includes various maintenance shops and individual maintenance sources (such as degreasers).

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Building(s): 21
23
24
27
30
37
38
42
42A
44
61
71
76
78
85
97

Item 20.5:

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

Emission Unit: H-OFURN

Emission Unit Description:

This unit consists of additional hot oil furnaces not already included in another emission unit.

Building(s): 21
35
85

Item 20.6:

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

Emission Unit: T-13004

Emission Unit Description:

Vapors and particulates are vented to the atmosphere outside of building 13 at different emissions points. These include process, filter, and local extraction discharges. Vapors from building 12 30 mm WP extruder are vented to atmosphere.

Building(s): 12
13

Item 20.7:

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

Emission Unit: T-14009

Emission Unit Description:

This unit consists of equipment in the facility's Pilot Plant. Batch and semicontinuous processes occur here. The Pilot Plant makes developmental/experimental products for evaluation, and scaled-down batches of problem production grades to develop process adjustments. Scaled down batches of commercial products are also made here.

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Building(s): 14

Item 20.8:

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

Emission Unit: U-28002

Emission Unit Description:

Emission Unit U28002 consists of Boilers 13 and 18.

Building(s): 28

Item 20.9:

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

Emission Unit: U-28003

Emission Unit Description:

Emission Unit U28003 consists of boilers 14 and 16.

Building(s): 28

Item 20.10:

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

Emission Unit: W-97004

Emission Unit Description:

This Emission Unit is the wastewater treatment process system of the waste handling area. The wastewater treatment plant is a physical/chemical treatment system consisting of pH neutralization, oil and grease separation, clarification, and air stripping operations.

Building(s): 97
AREA 96

Condition 21: Progress Reports Due Semiannually
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 21.1:

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 22: Operational Flexibility
Effective between the dates of 09/19/2023 and 09/18/2028

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

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Item 22.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

Condition 23: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

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

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

II. Protocol

A. Criteria

1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

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b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either to avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;

b. Description of the proposed change, including operating parameters;

c. Identification and description of emissions control technology;

d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.

ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.

iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.

iv. Propose any operating and record keeping procedures

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necessary to ensure compliance.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.

2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Facility Permissible Emissions
Effective between the dates of 09/19/2023 and 09/18/2028

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Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY075-00-0 PTE: 47,321 pounds per year

Name: PARTICULATES

CAS No: 0NY075-00-5 PTE: 31,032.14 pounds per year

Name: PM-10

CAS No: 0NY210-00-0 PTE: 567,053 pounds per year

Name: OXIDES OF NITROGEN

Condition 25: Capping Monitoring Condition
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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

40 CFR 52.21

Item 25.2:

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

Item 25.3:

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

Item 25.4:

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

Item 25.5:

The emission of pollutants that exceed the applicability thresholds for an applicable

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Item 26.2:

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

Item 26.3:

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

Item 26.4:

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

Item 26.5:

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

Item 26.6:

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

Emission Unit: U-28002

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The total NOx emissions from emission unit U28002 may not exceed 143 tpy on an annual rolled monthly basis.
Emissions shall be based on the rate demonstrated in the last stack test of the affected boilers.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 143 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 27: Capping Monitoring Condition
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 27.1:

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

6 NYCRR Subpart 231-2

Item 27.2:

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

Item 27.3:

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

Item 27.4:

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

Item 27.5:

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

Item 27.6:

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

Emission Unit: U-28002

Emission Unit: U-28003

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 27.7:

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Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The total emissions of NOx from Emission Units U28002 and U28003 (combined) may not exceed 223.5 tpy on a rolling 12 month basis. Emissions shall be based on the rate demonstrated in the last stack test of the affected boilers or CEMS (where installed).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 223.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

**Condition 28: Statement dates for emissions statements.
Effective between the dates of 09/19/2023 and 09/18/2028**

Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)

Item 28.1:

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

**Condition 29: Visible Emissions Limited
Effective between the dates of 09/19/2023 and 09/18/2028**

Applicable Federal Requirement:6 NYCRR 211.2

Item 29.1:

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

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average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 30: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-1.3

Item 30.1:

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

Emission Unit: C-27018

Emission Unit: C-27035

Emission Unit: F-INISH

Emission Unit: T-13004

Emission Unit: W-97004

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

In accordance with the applicability requirements of Section 212-1.3 of this Part, the department will assign an environmental rating for each air contaminant emitted from each process emission source or emission point in accordance with Subdivisions (a) through (e) of this Section. The factors in Subdivisions (a) through (d) will be considered in making a determination of the environmental rating to be applied to an air contaminant pursuant to subdivision (e), Table 1 – Environmental Rating Criteria.

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 10/30/2023.

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

Condition 31: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

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Item 31.1:

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

Emission Unit: C-27018

Emission Unit: C-27035

Emission Unit: F-INISH

Emission Unit: T-13004

Emission Unit: W-97004

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

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/ operator conducting a visible emissions observation for affected sources with particulate control once per day during daylight hours while the source is in operation.

Operators complete rounds once per shift. Any visible emissions (other than steam) are reported to EHS immediately per training.

If any visible emissions above normal for the source are observed, then a Method 9 shall be performed as soon as possible but no more than two operating days later for the affected source. If opacity results of 20% or greater are identified then the provisions of 6 NYCRR 201-1.4 shall be followed. Records of all observations are to be maintained on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 32: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-2.3 (b)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 083

Emission Source: MTCSS

Emission Unit: C-27018

Process: 715

Emission Source: MTCSS

Regulated Contaminant(s):

CAS No: 001066-35-9

SILANE, CHLORODIMETHYL

CAS No: 007647-01-0

HYDROGEN CHLORIDE

CAS No: 0NY998-00-0

VOC

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 shall not allow emissions of the air contaminant(s) listed above to exceed the requirements specified in Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants, for the environmental rating assigned by the Department. Chlorosilanes have been given an Environmental Rating of “B” and demonstrated to have an emission rate potential (ERP) greater than or equal to 10-25 pounds per hour which requires 90% control or Toxic - Best Available Control Technology (T-BACT).

Chlorosilanes (a VOC) from Processes 715 and 083 are removed from the Group 2 vent stream by contact with water in the scrubber (ES MTCSS). The chlorosilanes are first converted to HCl on contact with the scrubber water which is then removed by the scrubber. In order to ensure compliance with the degree of air cleaning required a minimum scrubber water level limit has been established

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Item 33.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall not allow emissions of the air contaminant(s) listed above to exceed the requirements specified in Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants, for the environmental rating assigned by the Department. Chlorosilanes have been given an Environmental Rating of “B” and demonstrated to have an emission rate potential (ERP) greater than or equal to 10 - 25 pounds per hour which requires 90% control or Toxic - Best Available Control Technology (T-BACT).

Chlorosilanes (a VOC) from Processes 715 and 083 are removed from the Group 2 vent stream by contact with water in the scrubber (ES MTCSS). The chlorosilanes are first converted to HCl on contact with the scrubber water which is then removed by the scrubber. In order to ensure compliance with the degree of air cleaning required a minimum freshwater flow rate limit has been established based on the manufacturer's recommendation. Fresh water flow rate to the scrubber will be monitored continuously when either one or both processes are operating. To assure compliance with the 90% control requirement of Table 4, the facility will limit scrubber water flow rate to no less than 9.5 gpm based on a 24-hr average.

Other chlorosilanes may be used in these processes provided ambient impacts, including HCL, remain below the % SGC/AGC provided in the Ren 3 Mod 1 application. Records of these potential ambient impacts shall be maintained on-site and made available upon request.

Compliance with this monitoring requirement also assures compliance with 6 NYCRR 212-3.1(c)(4)(i) -VOC RACT

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 9.5 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC
MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

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Condition 34: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-2.3 (b)

Item 34.1:

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

Emission Unit: C-27018	
Process: 083	Emission Source: MTCSS
Emission Unit: C-27018	
Process: 715	Emission Source: MTCSS
Regulated Contaminant(s):	
CAS No: 001066-35-9	SILANE, CHLORODIMETHYL
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 0NY998-00-0	VOC

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall not allow emissions of the air contaminant(s) listed above to exceed the requirements specified in Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants, for the environmental rating assigned by the Department. Chlorosilanes have been given an Environmental Rating of “B” and demonstrated to have an emission rate potential (ERP) greater than or equal to 10 -25 pounds per hour which requires 90% control or Toxic - Best Available Control Technology (T-BACT).

Chlorosilanes (a VOC) from Processes 715 and 083 are removed from the Group 2 vent stream by contact with water in the scrubber (ES MTCSS). The chlorosilanes are first converted to HCl on contact with the scrubber water which is then removed by the scrubber. In order to ensure compliance with the degree of air cleaning required a minimum scrubber water recirculation rate limit has been established based on the manufacturer's recommendation. Recirculation flow rate in the scrubber will be monitored continuously when either one or both processes are operating. To assure compliance with the 90% control requirement of Table 4, the facility will limit recirculation flow rate to no less than 30 gpm based on a 24-hr average.

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Other chlorosilanes may be used in these processes provided ambient impacts, including HCL, remain below the % SGC/AGC provided in the Ren 3 Mod 1 application. Records of these potential ambient impacts shall be maintained on-site and made available upon request.

Compliance with this monitoring requirement also assures compliance with 6 NYCRR 212-3.1(c)(4)(i) -VOC RACT

Parameter Monitored: RECIRCULATION RATE
Lower Permit Limit: 30 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-2.3 (b)

Item 35.1:
The Compliance Certification activity will be performed for the Facility.

Item 35.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility wide Potential to Emit (PTE) for octamethylcyclotetrasiloxane is limited to 155,000 pounds/year in order to maintain facility wide % AGC below 100%. The facility will calculate actual emissions on a rolling 12-month basis to demonstrate the emissions remain below the limit. Emissions estimates are based on methods from the Emission Inventory Improvement Program's document, "Methods for Estimating Air Emissions from Chemical Manufacturing Facilities", Volume II: Chapter 16, (August 2007), unless equations required by applicable regulations, such as 40 CFR 63 Subpart FFFF or Subpart SS, vary from this document or other site-specific data is available.

Parameter Monitored: OCTAMETHYLCYCLOTETRA SILOXANE
Upper Permit Limit: 155000 pounds per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-2.3 (b)

Item 36.1:
 The Compliance Certification activity will be performed for the Facility.

Item 36.2:
 Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility wide Potential to Emit (PTE) for decamethylcyclopentasiloxane (D5) is limited to 105,000 pounds/year in order to maintain facility wide % AGC below 100%. The facility will calculate actual emissions on a rolling 12-month basis to demonstrate the emissions remain below the limit. Emissions estimates are based on methods from the Emission Inventory Improvement Program’s document, "Methods for Estimating Air Emissions from Chemical Manufacturing Facilities", Volume II: Chapter 16, (August 2007), unless equations required by applicable regulations, such as 40 CFR 63 Subpart FFFF or Subpart SS, vary from this document or other site-specific data is available.

Parameter Monitored: DECAMETHYLCYCLOPENTASILOXANE
 Upper Permit Limit: 105000 pounds per year
 Monitoring Frequency: MONTHLY
 Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-2.3 (b)

Item 37.1:
 The Compliance Certification activity will be performed for the Facility.

Item 37.2:
 Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility wide Potential to Emit (PTE) for 1,3-DIETHENYL-1,1,3,3-TETRAMETHYL DISILOXANE is limited to 2,500 pounds/year in order to maintain facility wide % AGC below 100%. The facility will calculate actual emissions on a rolling 12-month basis to demonstrate the emissions remain below the limit. Emissions estimates are based on methods from the Emission Inventory Improvement Program's document, "Methods for Estimating Air Emissions from Chemical Manufacturing Facilities", Volume II: Chapter 16, (August 2007), unless equations required by applicable regulations, such as 40 CFR 63 Subpart FFFF or Subpart SS, vary from this document or other site-specific data is available.

Parameter Monitored: 1,3-DIETHENYL-1,1,3,3-TETRAMETHYL DISILOXANE

Upper Permit Limit: 2500 pounds per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 38: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 38.1:

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

Emission Unit: E-LISTS

Process: L06

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.
If the source equals or exceeds 20% opacity per the

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recorded. Grades produced in Doughmixers 5, 6, 7, 8, and 9 with VOC ERPs>3lb/hr will be vented to a condenser during cook steps.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 40: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)

Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018	
Process: 040	Emission Source: 76EAS
Emission Unit: C-27018	
Process: 047	Emission Source: 76EWS
Emission Unit: C-27018	
Process: 047	Emission Source: 76WAS
Emission Unit: F-INISH	
Process: 168	Emission Source: 24ESS

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Where a source owner can demonstrate to the satisfaction of the commissioner that he will apply best available control technology (BACT), the commissioner may specify a less restrictive permissible emission rate, emission standard or degree of air cleaning for such source than required under this Part provided that the less restrictive requirement is equivalent to that which can be achieved through the application of BACT. The Commissioner has accepted the level of control proposed by MPM as BACT and a State Implementation Plan (SIP) revision requests was sent to EPA during previous permitting of the affected. These evaluations have been reviewed again with this renewal application with the same determination of acceptability. Sources are re-evaluated once every five years upon permit renewal.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Monitoring Frequency: Once every five years

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 41: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (4) (i)

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 040

Emission Source: 76EWS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 72 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 42: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (4) (i)

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH

Process: 053

Emission Source: 76CSS

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Spray tower flow rate will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 6 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 43: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)

Item 43.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH

Process: 157

Emission Source: 32PGA

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 10 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)

Item 44.1:

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

Emission Unit: C-27018
 Process: 106 Emission Source: 23SCR

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Water flow to the first stage of the scrubber will be monitored to ensure sufficient control efficiency.

The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 20 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: F-INISH
 Process: 174

Emission Source: DMXV6

Emission Unit: F-INISH
 Process: 183

Emission Source: DMXV5

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each condenser's outlet gas temperature will be monitored when the ERP of VOCs exceed 3 lb/hr. This process emits through five emission points 32040, 32042, 32044, 32049 and 32050. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured temperature rises above the upper limit of monitoring.

Parameter Monitored: TEMPERATURE
 Upper Permit Limit: 35 degrees Centigrade (or Celsius)
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)

Item 47.1:

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

Emission Unit: F-INISH
 Process: 190

Emission Source: 85TST

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Outlet temperature of condensing column 85TST will be monitored to ensure sufficient control efficiency.

The upper limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured temperature exceeds the limit of monitoring.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 75 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 48: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (i)

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 139

Emission Source: 31AMS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Water flow to the scrubber will be monitored to ensure sufficient control efficiency. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 5 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Water flow rate to the scrubber will be monitored to meet required control efficiency. The lower limit of monitoring ensures compliance with all process operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 20 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 51: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (iii)

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 040

Emission Source: 76EAS

Emission Unit: C-27018

Process: 047

Emission Source: 76WAS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

High acid scrubber water flow will be monitored to ensure sufficient control efficiency.

The lower limit of monitoring has been accepted by the department as both RACT and BACT. This will be submitted to USEPA for approval as a revision to the NYS SIP.

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Facility DEC ID: 5415400002

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 40 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (iii)

Item 52.1:
 The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L05

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 52.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

For the sources listed, Momentive has demonstrated to the Department that the emission point cannot achieve an overall removal efficiency of 81% for reasons of technological or economic feasibility. The Department has accepted a lesser degree of control as reasonably available control technology (RACT). These process specific RACT demonstrations which are acceptable to the Department will be submitted to the US Environmental Protection Agency for approval as a revision to the State Implementation Plan.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (iii)

Item 53.1:
 The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

CAS No: 0NY998-00-0 VOC

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All RACT variances under the provisions of 6 NYCRR 212-3(c)(4)(iii) must be re-evaluated once per permit term.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (4) (iii)

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH Emission Point: 32040

Emission Unit: F-INISH Emission Point: 32042

Emission Unit: F-INISH Emission Point: 32044

Emission Unit: F-INISH Emission Point: 32049

Emission Unit: F-INISH Emission Point: 32050

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Calculate VOC emissions to confirm that emissions do not exceed 3.7 tpy which would make it economically feasible to install control as evaluated in the economic analysis dated 8/11/17.

This process specific RACT demonstration is acceptable to the department and will be submitted to the US Environmental Protection Agency for approval as a revision to the State Implementation Plan.

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Facility DEC ID: 5415400002

Monitoring Frequency: MONTHLY
 Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 55: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR Part 226

Item 55.1:

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

Emission Unit: F-INISH	Emission Point: 21101
Emission Unit: F-INISH	Emission Point: 27102
Emission Unit: F-INISH	Emission Point: 30001
Emission Unit: F-INISH	Emission Point: 44044
Emission Unit: F-INISH	Emission Point: 61602
Emission Unit: F-INISH	Emission Point: 85054
Emission Unit: F-INISH	Emission Point: 85059
Emission Unit: F-INISH	Emission Point: 97023

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR 226. Requirements for Cold Cleaning Degreasers
 (For Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.

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(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.

(4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

(1) 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.

(2) Maintain equipment to minimize leaks and fugitive emissions.

(3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.

(4) Keep the degreaser cover closed except when:

(a) parts are being placed into or being removed from the degreaser;

(b) adding or removing solvent from the degreaser;

(c) no solvent is in the degreaser; or

(d) when manually cleaning metal parts in the cold cleaning degreaser.

(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.

(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

(a) the name and address of the solvent supplier;

(b) the type of solvent including the product or vendor identification number; and

(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(8) Include in the semiannual monitoring report and annual

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compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a daily basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

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 10/30/2023.

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

Condition 56: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 227-1.4 (a)

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L07

Emission Unit: U-28002
 Process: 408

Emission Unit: U-28002
 Process: 410

Emission Unit: U-28003
 Process: 415

Emission Unit: U-28003
 Process: 417

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based

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upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 6 MINUTE AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 57.1:

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

Emission Unit: U-28002
 Process: 410

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall install, calibrate, maintain, and operate a CEMS for the monitoring of NOx in accordance with the requirements of this subpart.

Compliance with the emission limit will be based on a 24-hour heat input weighted average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

The facility must re-evaluate their NOx RACT plan prior to the use of oil for this source. They have also committed to performing an annual tune up as part of their NOx RACT compliance. The applicable emission limit is 0.15 lb(NOx)/mmBTU.

Owners or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

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The owner or operator will maintain records on-site for a minimum of five years.

Manufacturer Name/Model Number: Teledyne SM8200
 Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 0.15 pounds per million Btus
 Reference Test Method: Method 7e
 Monitoring Frequency: CONTINUOUS
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 3 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 227-2.4 (b) (1)

Item 58.1:

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

Emission Unit: U-28002
 Process: 408

Emission Unit: U-28003
 Process: 415

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil fired large boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The facility must re-evaluate their NOx RACT plan prior to the use of oil for this source. They have also committed to performing an annual tune up as part of their NOx RACT compliance. The applicable emission limit 0.15 lb(NOx)/mmBTU.

The owner or operator will maintain records on-site for a minimum of five years.

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Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 0.15 pounds per million Btus
 Reference Test Method: Method 7e
 Monitoring Frequency: Once every five years
 Averaging Method: Arithmetic average of stack test runs
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1)

Item 59.1:

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

Emission Unit: U-28003
 Process: 417

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to natural gas only fired mid-size boilers. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing.

The applicable emission limit prior to July 1, 2014 is 0.10 lb(NOx)/mmBTU. Boiler 16 will have a new low NOx burner installed in the first half of 2023 that will meet the NOx RACT limit.

This RACT analysis shall be updated once per permit term based upon stack testing at the same frequency.

The owner or operator will maintain records on-site for a minimum of five years.

Monitoring Frequency: Once every five years
 Averaging Method: Arithmetic average of stack test runs
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.

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Facility DEC ID: 5415400002

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

Condition 60: Compliance Certification**Effective between the dates of 09/19/2023 and 09/18/2028****Applicable Federal Requirement: 6 NYCRR 227-2.6****Item 60.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Emission Point: 28006

Regulated Contaminant(s):

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6 NYCRR 227-2.6(b)(3)

(i) The owner/operator of very large boilers shall:

(a) Calculate all 24-hr daily arithmetic average NO_x emission rates from block hourly arithmetic emission rate averages calculated using data points generated by the CEMS and expressed in terms of pounds on NO_x per million BTU;

(b) Demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NO_x and calculating a 24-hour daily arithmetic average NO_x emission rate using 40 CFR part 60, Appendix A, Method 19. A 30-day rolling average may be used to demonstrate compliance with the appropriate emission limit from September 16th to April 30th;

(c) Determine the 24-hour daily arithmetic average NO_x emission rate based on the arithmetic average of the block hourly arithmetic average emission rates during each 24 hour daily period average emission rate shall be calculated for each one hour period starting with the period 12:00 a.m. to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 a.m.; or, starting with the period 12:00 p.m. to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 p.m. The 30 day rolling average shall be the average of the 24 hour daily arithmetic NO_x emission rates for a 30 day period; and

(d) Use at least three data points, collected at 15 minute intervals, to calculate the block hourly arithmetic average emission rates to be used in calculating the 24 hour daily arithmetic average NO_x emission rate.

(iii) At a minimum, valid CEMS data shall be obtained for

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75 percent of the hours per day for 75 percent of the days of the month and 90 percent of the days of the quarter that the affected facility is operating.

(iv) All valid CEMS data shall be used in calculating emission rates even if the minimum data requirements of subparagraph 6 NYCRR 227-2.6(b)(3)(iii) are not met.

(vi) Quarterly accuracy and daily calibration drift tests shall be performed in accordance with 40 CFR part 60, Appendix F and any additional data requirements determined appropriate by the department.

(vii) When NOx emission data are not obtained because of CEMS breakdowns and repairs, emission data shall be obtained by using the 90th percentile value of all CEMS NOx emission data collected over the last 180 days to provide as necessary valid emission data for the minimum requirements in 6 NYCRR 227-2.6(b)(3)(iii)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 61: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 229.3 (e) (2) (iv)

Item 61.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 766

Emission Source: 76PTA

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. The permittee shall visually inspect the submerged fill line on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections,

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Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018	
Process: 766	Emission Source: 76ACW
Emission Unit: C-27018	
Process: 788	Emission Source: 23APS
Emission Unit: E-LISTS	
Process: L09	
Emission Unit: F-INISH	
Process: 778	Emission Source: 37APS
Emission Unit: F-INISH	
Process: 781	Emission Source: 37APS
Regulated Contaminant(s):	
CAS No: 0NY998-00-0	VOC

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

In the case of Process L09, the equivalent control requirement has been met with a combination of submerged fill plus venting to the Fixed Box Incinerator or the Mon Mact Thermal Oxidizer. The incinerators efficiencies are 99+% for VOCs, which is greater than a conservation vent. No additional monitoring is necessary.

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 10/30/2023.

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

Condition 64: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 64.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L08

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6 NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 65: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR 231-2.6

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28003 Emission Point: 28003
 Process: 415

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of NOx are limited to 77 tpy for emission source BLR14 (Boiler #14) in order to establish ERCs on an annual-rolled monthly basis. Fuel usage will be recorded and NOx calculated as 0.101 lb/mmBTU on natural gas.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

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Condition 66: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 66.1:

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

Emission Unit: U-28002 Emission Point: 28002
 Process: 408

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of NOx are limited to 62 tpy for emission source BLR13 (Boiler #13) in order to establish ERCs on an annual-rolled monthly basis. Fuel usage will be recorded and NOx calculated as 0.095 lb/mmBTU on natural gas.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 67: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 67.1:

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

Emission Unit: U-28002 Emission Point: 28006

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Emissions of NO_x are limited to 128.5 tpy for emission source BLR18 (Boiler #18) in order to establish ERCs on an annual-rolled monthly basis. Emission are calculated by fuel use data and CEM system for NO_x

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 68: EPA Region 2 address.
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 68.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 69: Recordkeeping requirements.
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 69.1:

This Condition applies to:

Emission Unit: U28002
Process: 410

Item 69.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air

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pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 70: Excess emissions report.

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.7(d), NSPS Subpart A

Item 70.1:

This Condition applies to:

Emission Unit: U28002

Process: 410

Item 70.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 71: Facility files for subject sources.

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 71.1:

This Condition applies to:

Emission Unit: U28002

Process: 410

Item 71.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 72: Circumvention.

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 72.1:

This Condition applies to:

Emission Unit: U28002

Process: 410

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Item 72.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 73: Continuous Monitoring Requirements
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.13(a), NSPS Subpart A

Item 73.1:

This Condition applies to:

Emission Unit: U28002
Process: 410

Item 73.2: For the purposes of this section, 40 CFR Part 60.13, all continuous monitoring systems required under applicable subparts of 40 CFR Part 60 shall be subject to the provisions of this section, upon promulgation of performance specifications for continuous monitoring systems under appendix B to this part, 40 CFR Part 60, and, if the continuous monitoring system is used to demonstrate compliance with emission limits on a continuous basis, appendix F to this part, unless otherwise specified in an applicable subpart or by the Administrator.

Condition 74: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.13(d), NSPS Subpart A

Item 74.1:

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

Emission Unit: U-28002
Process: 410

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of all continuous emission monitoring systems installed in accordance with the provisions of this part shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift

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exceeds two times the limits of the applicable performance specifications in appendix B. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified.

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 10/30/2023.

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

Condition 75: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.44b(h), NSPS Subpart Db

Item 75.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Process: 410

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

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 10/30/2023.

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

Condition 76: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.48b(c), NSPS Subpart Db

Item 76.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Process: 410

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Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

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 10/30/2023.

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

Condition 77: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.48b(f), NSPS Subpart Db

Item 77.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Process: 410

Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

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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 10/30/2023.

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

Condition 78: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db

Item 78.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Process: 410

Regulated Contaminant(s):

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Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit

operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have

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been excluded from the calculation of average emission rates and the reasons for excluding data.

7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.

8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.

9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.

10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 79: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.112b(a)(3), NSPS Subpart Kb

Item 79.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 106

Emission Source: 62T12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each storage vessel either with a design capacity > or = 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure > or = 5.2 kPa but < 76.6 kPa or with a design capacity > or = 75 m³ but < 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure > or = 27.6 kPa but < 76.7 kPa, shall equip each storage vessel with a closed vent system and control device meeting the following specification: The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and

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operated with no detectable emissions as indicated by an instrument reading of < 500 ppm above background and visual inspection, as determined in Part 60 Subpart VV, section 60.485(b).

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 10/30/2023.

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

Condition 80: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.113b(c), NSPS Subpart Kb

Item 80.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 106

Emission Source: 62T12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each source that is equipped with a closed vent system and control device as required in Section 60.112b(a)(3) or (b)(2) (other than a flare) is exempt from Section 60.8 of the General Provisions and shall meet the following requirements:

(1) Submit for approval by the Administrator as an attachment to the notification required by Section 60.7(a)(1) an operating plan containing the information listed below:

(i) Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions. This documentation is to include a description of the gas stream which enters the control device, including flow and VOC content under varying liquid level conditions and manufacturer's design specification for the control device. If the control device or the closed vent capture system receives vapors, gases or liquids other than fuels from sources that are not designated sources under this subpart, the efficiency demonstration is to include consideration of all vapors,

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gases and liquids received by the closed vent capture system and control device. If an enclosed combustion device with a minimum residence time of 0.75 seconds and a minimum temperature of 816 degrees C is used to meet the 95% requirement, documentation that these conditions will exist is sufficient to meet the requirements of this paragraph.

(ii) A description of the parameter to be monitored to ensure that the control device will be operated in conformance with its design and an explanation of the criteria used for selection of that parameter.

(2) Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (c)(1) of this section, unless the plan was modified by the Administrator during the review process. In this case, the modified plan applies.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 81: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 60.115b(c), NSPS Subpart Kb

Item 81.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 106

Emission Source: 62T12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owner or operator shall keep the following records

(1) A copy of the operating plan.

(2) A record of the measured values of the parameters monitored in accordance with section 60.113b(c)(2).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

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Condition 82: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 60.116b(b), NSPS Subpart Kb

Item 82.1:

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

Emission Unit: C-27018

Process: 106

Emission Source: 62T12

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each storage vessel, as specified in 40 CFR 60.110b(a), shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept on site for the life of the storage vessel. Each storage vessel with a design capacity less than 75 cubic meters in subject to no provision of 40 CFR 60 Subpart Kb other than those required by the above paragraph.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 83: Applicability of General Provisions of 40 CFR 61 Subpart A
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 61, NESHAP Subpart A

Item 83.1: 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 84: Demolition and Renovation
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 61.145, NESHAP Subpart M

Item 84.1: The permittee shall comply with applicable requirements of the National

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Emissions Standards for Asbestos specified in 40 CFR 61, Subpart M, and provide to the administrator or other governing agency reports as required.

Notification requirements: The permittee shall provide the USEPA Administrator with written notice of the intention to demolish or renovate as outlined in 40 CFR 61.145(b).

The permittee shall comply with all applicable procedures for removal of RACM in 40 CFR 61.145(c).

Condition 85: Operations during startup, shutdown, and malfunction
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6(e)(1), Subpart A

Item 85.1:

At all times, including during periods of startup, shutdown, and malfunction, the owner/operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the owner/operator reduce emissions from the affected source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner/operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner/operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the NYSDEC which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in 40 CFR 63.6(e)(3)), review of operation and maintenance records, and inspection of the source.

Malfunctions must be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, an owner/operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices.

Operation and maintenance requirements established pursuant to section 112 of the Clean Air Act are enforceable independent of emissions limitations or other requirements in relevant standards.

Condition 86: Startup, Shutdown and Malfunction
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6(e)(3), Subpart A

Item 86.1:

The owner or operator of an applicable source shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for

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malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

Condition 87: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6(f)(1), Subpart A

Item 87.1:

The Compliance Certification activity will be performed for the Facility.

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The nonopacity emission standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 88: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.105, Subpart F

Item 88.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 210

Emission Source: MWWM1

Emission Unit: C-27035

Process: 211

Emission Source: MWWM2

Emission Unit: F-INISH

Process: 212

Emission Source: MWWM3

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall prepare a description of maintenance procedures for management of wastewaters,

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which contain organic HAPs listed in Tables 8 and 9 of Subpart FFFF, that are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns such as routine maintenance. The description shall specify the following:

- 1) process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities;
- 2) procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere; and
- 3) procedures to be followed when clearing materials from process equipment.

This information shall be updated as needed following each maintenance procedure based on the actions taken and the wastewater generated in the preceding maintenance procedure. The procedures described shall be implemented as part of the startup, shutdown, and malfunction plan required under 40CFR63.6(e)(3). A record shall be maintained of the information required above in the startup, shutdown, and malfunction plan.

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 10/30/2023.

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

Condition 89: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.114(a)(1)(i), Subpart G

Item 89.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L16

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 89.2:

Compliance Certification shall include the following monitoring:

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

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Monitoring Description:

(a) Each owner or operator of a process vent that uses a combustion device to comply with the requirements in § 63.113 (a)(1) or (a)(2) of this subpart, or that uses a recovery device or recapture device to comply with the requirements in § 63.113(a)(2) of this subpart, shall install monitoring equipment specified in paragraph (a)(1), (a)(2), (a)(3), (a)(4), or (a)(5) of this section, depending on the type of device used. All monitoring equipment shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(1) Where an incinerator is used, a temperature monitoring device equipped with a continuous recorder is required.

(i) Where an incinerator other than a catalytic incinerator is used (FBI Process 430), a temperature monitoring device shall be installed in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 970 degrees Centigrade (or Celsius)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 90: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.114(a)(4)(i), Subpart G

Item 90.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L15

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 90.2:

Compliance Certification shall include the following monitoring:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

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

Monitoring Description:

(4) Where a scrubber is used with an incinerator, boiler, or process heater in the case of halogenated vent streams, the following monitoring equipment is required for the scrubber.

(i) A pH monitoring device equipped with a continuous recorder shall be installed to monitor the pH of the FBI IWS scrubber effluents.

Minimum pH of 8.4 is required for the IWS scrubber.

Parameter Monitored: PH

Lower Permit Limit: 8.4 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 91: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.114(a)(4)(ii), Subpart G

Item 91.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Emission Point: 97002

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 91.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(4) Where a scrubber is used with an incinerator, boiler, or process heater in the case of halogenated vent streams, the following monitoring equipment is required for the scrubber.

(i)

(ii) Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section.

(A) The owner or operator may determine gas flow rate

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using the design blower capacity, with appropriate adjustments for pressure drop.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Upper Permit Limit: 6832 cubic feet per minute
 Monitoring Frequency: SINGLE OCCURRENCE
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.114(a)(4)(ii), Subpart G

Item 92.1:

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

Emission Unit: C-27018
 Process: 430 Emission Source: FBCS1

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

- (4) Where a scrubber is used with an incinerator, boiler, or process heater in the case of halogenated vent streams, the following monitoring equipment is required for the scrubber.
 - (i)
 - (ii) A flow meter equipped with a continuous recorder shall be located at the scrubber influent for liquid flow.

The countercurrent scrubber flow rate of the fixed box combustor packed tower will be monitored to maintain 1017 gallons per minute.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 1017 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC)

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MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 93: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.114(a)(4)(ii), Subpart G

Item 93.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 430

Emission Source: FBCS2

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(4) Where a scrubber is used with an incinerator, boiler, or process heater in the case of halogenated vent streams, the following monitoring equipment is required for the scrubber.

(i)

(ii) A flow meter equipped with a continuous recorder shall be located at the scrubber influent for liquid flow.

The countercurrent scrubber flow rate of the fixed box gas absorption system will be monitored to maintain 1,178 gallons per minute.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 1178 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC
MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 94: Compliance Certification

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Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.114(a)(4)(ii), Subpart G

Item 94.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Emission Point: 97001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 94.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(4) Where a scrubber is used with an incinerator, boiler, or process heater in the case of halogenated vent streams, the following monitoring equipment is required for the scrubber.

(i)

(ii) Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section.

(A) The owner or operator may determine gas flow rate using the design blower capacity, with appropriate adjustments for pressure drop.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 6630 cubic feet per minute

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 95: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.132(f), Subpart G

Item 95.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: C-27035

Emission Unit: F-INISH

Emission Unit: W-97004

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, owners or operators of sources subject to this subpart shall not discard liquid or solid organic materials with a concentration of greater than 10,000 parts per million of Table 8 and 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of §63.144(b) of this subpart) from an MCPU to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. This prohibition does not apply to materials from the activities listed in paragraphs (f)(1) through (f)(4) of this section.

- (1) Equipment leaks;
- (2) Activities included in maintenance or startup/shutdown/malfunction plans;
- (3) Spills; or
- (4) Samples of a size not greater than reasonably necessary for the method of analysis that is used.

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 10/30/2023.

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

Condition 96: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.133(a)(1), Subpart G

Item 96.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 788

Emission Source: 23APS

Emission Unit: C-27018

Process: 788

Emission Source: CL901

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Emission Unit: F-INISH Process: 778	Emission Source: 37APS
Emission Unit: F-INISH Process: 781	Emission Source: 37APS
Emission Unit: W-97004 Process: 705	Emission Source: 9728A
Emission Unit: W-97004 Process: 705	Emission Source: 9728B
Emission Unit: W-97004 Process: 825	Emission Source: 9728A

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart.

Tanks with a capacity that is less than 75 cubic meters must comply with Section 63.133(a)(1): operate and maintain a fixed roof.

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 10/30/2023.

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

Condition 97: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.133(a)(1), Subpart G

Item 97.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH Process: 751	Emission Source: 23SSS
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Item 97.2:

Compliance Certification shall include the following monitoring:

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Facility DEC ID: 5415400002

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart.

Tanks with a capacity that is greater than 75 and less than 151 cubic meters and receiving material with a maximum true vapor pressure that is less than 13.1kPa must comply with Section 63.133(a)(1): operate and maintain a fixed roof.

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 10/30/2023.

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

Condition 98: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.133(a)(2), Subpart G

Item 98.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: 213

Emission Unit: C-27035
 Process: 214

Emission Unit: F-INISH
 Process: 215

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart.

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Tanks with a capacity that is greater than or equal to 151 cubic meters must comply with Section 63.133(a)(2): (ii) A fixed roof and an internal floating roof that meets the requirements specified in §63.119(b) of this subpart. Tank 40KEQ will be vented to the MON MACT Thermal Oxidizer or the Fixed Box #2 Incinerator to meet this requirement.

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 10/30/2023.

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

Condition 99: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.133(f), Subpart G

Item 99.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018	
Process: 788	Emission Source: 23APS

Emission Unit: C-27018	
Process: 788	Emission Source: CL901

Emission Unit: F-INISH	
Process: 751	Emission Source: 23SSS

Emission Unit: F-INISH	
Process: 778	Emission Source: 37APS

Emission Unit: F-INISH	
Process: 781	Emission Source: 37APS

Emission Unit: W-97004	
Process: 705	Emission Source: 9728A

Emission Unit: W-97004	
Process: 705	Emission Source: 9728B

Emission Unit: W-97004	
Process: 825	Emission Source: 9728A

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Monitoring Description:

Except as provided in paragraph (e) of this section, each wastewater tank shall be inspected initially, and semi-annually thereafter, for improper work practices in accordance with §63.143 of this subpart. For wastewater tanks, improper work practice includes, but is not limited to, leaving open any access door or other opening when such door or opening is not in use.

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 10/30/2023.

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

Condition 100: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.135(b), Subpart G

Item 100.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: 205

Emission Unit: C-27035
 Process: 206

Emission Unit: F-INISH
 Process: 204

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) The owner or operator shall operate and maintain a cover on each container used to handle, transfer, or store a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream in accordance with the following requirements:

- (1)
- (2) If the capacity of the container is less than or equal to 0.42 m³, the owner or operator shall comply with either paragraph (b)(2)(i) or (b)(2)(ii) of this section.
 - (i) The container must meet existing Department of Transportation specifications and testing requirements under 49 CFR part 178; or

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(ii) Except as provided in paragraph (d)(4) of this section, the cover and all openings shall be maintained without leaks as specified in §63.148 of this subpart.

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 10/30/2023.

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

Condition 101: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.135(b), Subpart G

Item 101.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

Process: 206

Emission Unit: F-INISH

Process: 204

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) The owner or operator shall operate and maintain a cover on each container used to handle, transfer, or store a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream in accordance with the following requirements:

(1) Except as provided in paragraph (d)(4) of this section, if the capacity of the container is greater than 0.42 m3, the cover and all openings (e.g., bungs, hatches, sampling ports, and pressure relief devices) shall be maintained in accordance with the requirements specified in §63.148 of this subpart.

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 10/30/2023.

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

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Condition 102: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.135(b), Subpart G

Item 102.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

Process: 206

Emission Unit: F-INISH

Process: 204

Item 102.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(3) The cover and all openings shall be maintained in a closed position (e.g., covered by a lid) at all times that a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream is in the container except when it is necessary to use the opening for filling, removal, inspection, sampling, or pressure relief events related to safety considerations.

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 10/30/2023.

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

Condition 103: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.135(c), Subpart G

Item 103.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

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Process: 206

Emission Unit: F-INISH

Process: 204

Item 103.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) For containers with a capacity greater than or equal to 0.42 m³, a submerged fill pipe shall be used when a container is being filled by pumping with a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream.

(1) The submerged fill pipe outlet shall extend to no more than 6 inches or within two fill pipe diameters of the bottom of the container while the container is being filled.

(2) The cover shall remain in place and all openings shall be maintained in a closed position except for those openings required for the submerged fill pipe and for venting of the container to prevent physical damage or permanent deformation of the container or cover.

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 10/30/2023.

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

Condition 104: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.135(e), Subpart G

Item 104.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

Process: 206

Emission Unit: F-INISH

Process: 204

Item 104.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each container shall be inspected initially, and semi-annually thereafter, for improper work practices and control equipment failures in accordance with §63.143 of this subpart.

(1) For containers, improper work practice includes, but is not limited to, leaving open any access hatch or other opening when such hatch or opening is not in use.

(2) For containers, control equipment failure includes, but is not limited to, any time a cover or door has a gap or crack, or is broken.

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 10/30/2023.

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

Condition 105: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.135(f), Subpart G

Item 105.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

Process: 206

Emission Unit: F-INISH

Process: 204

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in §63.140 of this subpart, when an improper work practice or a control equipment failure is identified, first efforts at repair shall be made no later than 5 calendar days after identification and repair shall be completed within 15 calendar days after identification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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Facility DEC ID: 5415400002

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 106: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.136, Subpart G

Item 106.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 209

Emission Unit: C-27035

Process: 208

Emission Unit: F-INISH

Process: 207

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

63.136(a) For each individual drain system that receives or manages a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of paragraphs (b), (c), and (d) or with paragraphs (e), (f), and (g) of this section.

(b) If the owner or operator elects to comply with this paragraph, the owner or operator shall operate and maintain on each opening in the individual drain system a cover and if vented, route the vapors to a process or through a closed vent system to a control device. The owner or operator shall comply with the requirements of paragraphs (b)(1) through (b)(5) of this section.

(1) The cover and all openings shall meet the following requirements:

(i) Except as provided in paragraph (b)(4) of this section, the cover and all openings (e.g., access hatches, sampling ports) shall be maintained in accordance with the requirements specified in §63.148 of this subpart.

(ii) The cover and all openings shall be maintained in a closed position at all times that a Group 1 wastewater stream or residual removed from a Group 1 wastewater

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stream is in the drain system except when it is necessary to use the opening for sampling or removal, or for equipment inspection, maintenance, or repair.

(2) The control device shall be designed, operated, and inspected in accordance with §63.139 of this subpart.

(3) Except as provided in paragraph (b)(4) of this section, the closed-vent system shall be inspected in accordance with §63.148 of this subpart.

(4) For any cover and closed-vent system that is operated and maintained under negative pressure, the owner or operator is not required to comply with the requirements specified in §63.148 of this subpart.

(5) The individual drain system shall be designed and operated to segregate the vapors within the system from other drain systems and the atmosphere.

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 10/30/2023.

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

Condition 107: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.138(a), Subpart G

Item 107.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: 217

Emission Unit: C-27035
 Process: 218

Emission Unit: F-INISH
 Process: 219

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(4) Performance tests and design evaluations. If design steam stripper option (§63.138(d)) or Resource Conservation and Recovery Act (RCRA) option (§63.138(h)) is selected to comply with this section, neither a design evaluation nor a performance test is required. For any

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other non-biological treatment process, and for closed biological treatment processes as defined in §63.111 of this subpart, the owner or operator shall conduct either a design evaluation as specified in §63.138(j), or a performance test as specified in §63.145, of this subpart. For each open biological treatment process as defined in §63.111 of this subpart, the owner or operator shall conduct a performance test as specified in §63.145 of this subpart.

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 10/30/2023.

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

Condition 108: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.138(k), Subpart G

Item 108.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 217

Emission Unit: C-27035

Process: 218

Emission Unit: F-INISH

Process: 219

Item 108.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each residual removed from a Group 1 wastewater stream, the owner or operator shall control for air emissions by treating the residual to destroy the total combined mass flow rate of Table 8 and/or Table 9 compounds by 99 percent or more, as determined by the procedures specified in §63.145(c) or (d) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.139(b), Subpart G

Item 109.1:

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

Emission Unit: C-27018
Process: 213

Emission Unit: C-27035
Process: 214

Emission Unit: F-INISH
Process: 215

Item 109.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) Whenever organic hazardous air pollutants emissions are vented to a control device which is used to comply with the provisions of this subpart, such control device shall be operating.

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 10/30/2023.

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

Condition 110: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.139(c), Subpart G

Item 110.1:

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

Emission Unit: E-LISTS
Process: L11

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

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Item 110.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Any control device used shall, alone or in combination with other control devices, reduce the total organic compound emissions, less methane and ethane, or total organic hazardous air pollutants emissions vented to the control device by 95 percent by weight or greater or achieve an outlet total organic compound concentration, less methane and ethane, or total organic hazardous air pollutants concentration of 20 parts per million by volume, whichever is less stringent. The 20 parts per million by volume performance standard is not applicable to compliance with the provisions of §63.134 or §63.135 of this subpart.

Emissions from these sources (MMNAS and MMSAS) will be vented to the Fixed Box #2 Incinerator or the MON MACT Thermal Oxidizer.

Parameter Monitored: DESTRUCTION EFFICIENCY

Lower Permit Limit: 95 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 111: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.139(f), Subpart G

Item 111.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 213

Emission Unit: C-27035

Process: 214

Emission Unit: F-INISH

Process: 215

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Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as provided in §63.140 of this subpart, if gaps, cracks, tears, or holes are observed in ductwork, piping, or connections to covers and control devices during an inspection, a first effort to repair shall be made as soon as practical but no later than 5 calendar days after identification. Repair shall be completed no later than 15 calendar days after identification or discovery of the defect.

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 10/30/2023.

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

Condition 112: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.140, Subpart G

Item 112.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L11

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has been identified, is allowed if the repair is technically infeasible without a shutdown, as defined in §63.101 of subpart F of this part, or if the owner or operator determines that emissions of purged material from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of this equipment shall occur by the end of the next shutdown.

(b) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has been identified, is allowed if the equipment is emptied or is

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no longer used to treat or manage Group 1 wastewater streams or residuals removed from Group 1 wastewater streams.

(c) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has been identified is also allowed if additional time is necessary due to the unavailability of parts beyond the control of the owner or operator. Repair shall be completed as soon as practical. The owner or operator who uses this provision shall comply with the requirements of §63.147(b)(7) to document the reasons that the delay of repair was necessary.

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 10/30/2023.

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

Condition 113: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.143(e), Subpart G

Item 113.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L11

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(e) Except as provided in paragraphs (e)(4) and (e)(5) of this section, for each control device used to comply with the requirements of §§63.133 through 63.139 of this subpart, the owner or operator shall comply with the requirements in §63.139(d) of this subpart, and with the requirements specified in paragraph (e)(1), (e)(2), or (e)(3) of this section.

(1) The owner or operator shall comply with the monitoring requirements specified in table 13 of this subpart; or

(2) The owner or operator shall use an organic monitoring device installed at the outlet of the control device and equipped with a continuous recorder. Continuous recorder is defined in §63.111 of this subpart; or

(3) The owner or operator shall request approval to

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monitor parameters other than those specified in paragraphs (e)(1) and (e)(2) of this section. The request shall be submitted according to the procedures specified in §63.151(f) of this subpart, and shall include a description of planned reporting and recordkeeping procedures. The Administrator will specify appropriate reporting and recordkeeping requirements as part of the review of the permit application or by other appropriate means.

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 10/30/2023.

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

Condition 114: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.143(g), Subpart G

Item 114.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L11

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring equipment shall be installed, calibrated, and maintained according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

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 10/30/2023.

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

Condition 115: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.146(b), Subpart G

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Item 115.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018	
Process: 788	Emission Source: 23APS
Emission Unit: C-27018	
Process: 788	Emission Source: CL901
Emission Unit: F-INISH	
Process: 751	Emission Source: 23SSS
Emission Unit: F-INISH	
Process: 781	Emission Source: 37APS
Emission Unit: W-97004	
Process: 705	Emission Source: 9728A
Emission Unit: W-97004	
Process: 705	Emission Source: 9728B

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, after the compliance dates specified in § 63.2445, if you have a Group 1 wastewater stream that is also subject to provisions in 40 CFR parts 260 through 272, you may elect to determine whether this subpart or 40 CFR parts 260 through 272 contain the more stringent control requirements (e.g., design, operation, and inspection requirements for waste management units; numerical treatment standards; etc.) and the more stringent testing, monitoring, recordkeeping, and reporting requirements. Compliance with provisions of 40 CFR parts 260 through 272 that are determined to be more stringent than the requirements of this subpart constitute compliance with this subpart. For example, provisions of 40 CFR parts 260 through 272 for treatment units that meet the conditions specified in § 63.138(h) constitute compliance with this subpart. You must identify in the notification of compliance status report required by § 63.2520(d) the information and procedures that you used to make any stringency determinations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 10/30/2023.
Subsequent reports are due every 3 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.147, Subpart G

Item 116.1:

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

Emission Unit: C-27018
Process: 205

Emission Unit: C-27035
Process: 206

Emission Unit: F-INISH
Process: 204

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator shall keep in a readily accessible location the records specified in paragraphs (b)(1) through (8) of the section.

(1) A record that each waste management unit inspection required by §§63.133 through 63.137 of this subpart was performed.

(2) A record that each inspection for control devices required by §63.139 of this subpart was performed.

(3) A record of the results of each seal gap measurement required by §§63.133(d) and 63.137(c) of this subpart. The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations described in §63.120(b)(2), (3), and (4) of this subpart.

(4) For Item 1 and Item 3 of table 12 of this subpart, the owner or operator shall keep the records approved by the Administrator.

(5) Except as provided in paragraph (e) of this section, continuous records of the monitored parameters specified in Item 2 of table 12 and table 13 of this subpart, and in §63.143(e)(2) of this subpart.

(6) Documentation of a decision to use an extension, as specified in §63.133(e)(2) or (h) of this subpart, which shall include a description of the failure, documentation that alternate storage capacity is unavailable, and

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specification of a schedule of actions that will ensure that the control equipment will be repaired or the vessel will be emptied as soon as practical.

(7) Documentation of a decision to use a delay of repair due to unavailability of parts, as specified in §63.140(c), shall include a description of the failure, the reason additional time was necessary (including a statement of why replacement parts were not kept on site and when the manufacturer promised delivery), and the date when repair was completed.

(8) Requirements for Group 2 wastewater streams. This paragraph (b)(8) does not apply to Group 2 wastewater streams that are used to comply with §63.138(g). For all other Group 2 wastewater streams, the owner or operator shall keep in a readily accessible location the records specified in paragraphs (b)(8)(i) through (iv) of this section.

(i) Process unit identification and description of the process unit.

(ii) Stream identification code.

(iii) For existing sources, concentration of Table 9 compound(s) in parts per million, by weight. For new sources, concentration of Table 8 and/or Table 9 compound(s) in parts per million, by weight. Include documentation of the methodology used to determine concentration.

(iv) Flow rate in liter per minute.

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 10/30/2023.

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

Condition 117: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.148, Subpart G

Item 117.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 205

Emission Unit: C-27035

Process: 206

Emission Unit: F-INISH

Process: 204

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Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(d) For large containers (capacity greater than 0.42 m³) and small containers (capacity less than or equal to 0.42 m³) that do not meet existing Department of Transportation specifications and testing requirements under 49 CFR part 178, the leak inspection provisions in 40 CFR 63.148 apply.

In accordance with 63.148(d), leaks, as indicated by an instrument reading greater than 500 parts per million above background or by visual inspections, shall be repaired as soon as practicable, except as provided in paragraph (e) of this section.

(1) A first attempt at repair shall be made no later than 5 calendar days after the leak is detected.

(2) Repair shall be completed no later than 15 calendar days after the leak is detected, except as provided in paragraph (d)(3) of this section.

(e) Delay of repair of a vapor collection system, closed vent system, fixed roof, cover, or enclosure for which leaks have been detected is allowed if the repair is technically infeasible without a shutdown, as defined in §63.101 of subpart F of this part, or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be complete by the end of the next shutdown.

(f)

(g) Any parts of the vapor collection system, closed vent system, fixed roof, cover, or enclosure that are designated, as described in paragraph (i)(1) of this section, as unsafe to inspect are exempt from the inspection requirements of paragraphs (b)(1), (b)(2), and (b)(3)(i) of this section if:

(1) The owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraphs (b)(1), (b)(2), or (b)(3)(i) of this section; and

(2) The owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times.

(h) Any parts of the vapor collection system, closed vent system, fixed roof, cover, or enclosure that are designated, as described in paragraph (i)(2) of this section, as difficult to inspect are exempt from the

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inspection requirements of paragraphs (b)(1), (b)(2), and (b)(3)(i) of this section if:

(1) The owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and

(2) The owner or operator has a written plan that requires inspection of the equipment at least once every 5 years.

(i) The owner or operator shall record the information specified in paragraphs (i)(1) through (i)(5) of this section.

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 10/30/2023.

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

Condition 118: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.983(a), Subpart SS

Item 118.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except for closed vent systems operated and maintained under negative pressure, the provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

(1) Collection of emissions. Each closed vent system shall be designed and operated to collect the regulated material vapors from the emission point, and to route the collected vapors to a control device.

(2) Period of operation. Closed vent systems used to comply with the provisions of this subpart shall be operated at all times when emissions are vented to, or collected by, them.

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(3) Bypass monitoring. Except for equipment needed for safety purposes such as pressure relief devices, low leg drains, high point bleeds, analyzer vents, and open-ended valves or lines, the owner or operator shall comply with the provisions of either paragraphs (a)(3)(i) or (ii) of this section for each closed vent system that contains bypass lines that could divert a vent stream to the atmosphere.

(i) Properly install, maintain, and operate a flow indicator that is capable of taking periodic readings.

Records shall be generated as specified in §63.998(d)(1)(ii)(A). The flow indicator shall be installed at the entrance to any bypass line.

(ii) Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Records shall be generated as specified in §63.998(d)(1)(ii)(B).

(4) Loading arms at transfer racks.

(5) Pressure relief devices in a transfer rack's closed vent system.

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 10/30/2023.

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

Condition 119: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.983(b), Subpart SS

Item 119.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 119.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Inspection records shall be generated as specified in §63.998(d)(1)(iii) and (iv) of this section.

(1) Except for any closed vent systems that are designated as unsafe or difficult to inspect as provided in

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paragraphs (b)(2) and (3) of this section, each closed vent system shall be inspected as specified in paragraph (b)(1)(i) or (ii) of this section.

(i) If the closed vent system is constructed of hard-piping, the owner or operator shall comply with the requirements specified in paragraphs (b)(1)(i)(A) and (B) of this section.

(A) Conduct an initial inspection according to the procedures in paragraph (c) of this section; and

(B) Conduct annual inspections for visible, audible, or olfactory indications of leaks.

(ii) If the closed vent system is constructed of ductwork, the owner or operator shall conduct an initial and annual inspection according to the procedures in paragraph (c) of this section.

(2) Any parts of the closed vent system that are designated, as described in §63.998(d)(1)(i), as unsafe to inspect are exempt from the inspection requirements of paragraph (b)(1) of this section if the conditions of paragraphs (b)(2)(i) and (ii) of this section are met.

(i) The owner or operator determines that the equipment is unsafe-to-inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraph (b)(1) of this section; and

(ii) The owner or operator has a written plan that requires inspection of the equipment as frequently as practical during safe-to-inspect times. Inspection is not required more than once annually.

(3) Any parts of the closed vent system that are designated, as described in §63.998(d)(1)(i), as difficult-to-inspect are exempt from the inspection requirements of paragraph (b)(1) of this section if the provisions of paragraphs (b)(3)(i) and (ii) of this section apply.

(i) The owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface; and

(ii) The owner or operator has a written plan that requires inspection of the equipment at least once every 5 years.

(4) For each bypass line, the owner or operator shall comply with paragraph (b)(4)(i) or (ii) of this section.

(i) If a flow indicator is used, take a reading at least once every 15 minutes.

(ii) If the bypass line valve is secured in the non-diverting position, visually inspect the seal or closure mechanism at least once every month to verify that the valve is maintained in the non-diverting position, and

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the vent stream is not diverted through the bypass line.

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 10/30/2023.

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

Condition 120: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.983(c), Subpart SS

Item 120.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

(1) Each closed vent system subject to this paragraph shall be inspected according to the procedures specified in paragraphs (c)(1)(i) through (vii) of this section.

(i) Inspections shall be conducted in accordance with Method 21 of 40 CFR part 60, appendix A, except as specified in this section.

(ii) Except as provided in (c)(1)(iii) of this section, the detection instrument shall meet the performance criteria of Method 21 of 40 CFR part 60, appendix A, except the instrument response factor criteria in section 3.1.2(a) of Method 21 must be for the representative composition of the process fluid and not of each individual VOC in the stream. For process streams that contain nitrogen, air, water, or other inerts that are not organic HAP or VOC, the representative stream response factor must be determined on an inert-free basis. The response factor may be determined at any concentration for which the monitoring for leaks will be conducted.

(iii) If no instrument is available at the plant site that

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will meet the performance criteria of Method 21 specified in paragraph (c)(1)(ii) of this section, the instrument readings may be adjusted by multiplying by the representative response factor of the process fluid, calculated on an inert-free basis as described in paragraph (c)(1)(ii) of this section.

(iv) The detection instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21 of 40 CFR part 60, appendix A.

(v) Calibration gases shall be as specified in paragraphs (c)(1)(v)(A) through (C) of this section.

(A) Zero air (less than 10 parts per million hydrocarbon in air); and

(B) Mixtures of methane in air at a concentration less than 10,000 parts per million. A calibration gas other than methane in air may be used if the instrument does not respond to methane or if the instrument does not meet the performance criteria specified in paragraph (c)(1)(ii) of this section. In such cases, the calibration gas may be a mixture of one or more of the compounds to be measured in air.

(C) If the detection instrument's design allows for multiple calibration scales, then the lower scale shall be calibrated with a calibration gas that is no higher than 2,500 parts per million.

(vi) An owner or operator may elect to adjust or not adjust instrument readings for background. If an owner or operator elects not to adjust readings for background, all such instrument readings shall be compared directly to 500 parts per million to determine whether there is a leak. If an owner or operator elects to adjust instrument readings for background, the owner or operator shall measure background concentration using the procedures in this section. The owner or operator shall subtract the background reading from the maximum concentration indicated by the instrument.

(vii) If the owner or operator elects to adjust for background, the arithmetic difference between the maximum concentration indicated by the instrument and the background level shall be compared with 500 parts per million for determining whether there is a leak.

(2) The instrument probe shall be traversed around all potential leak interfaces as described in Method 21 of 40 CFR part 60, appendix A.

(3) Except as provided in paragraph (c)(4) of this section, inspections shall be performed when the equipment is in regulated material service, or in use with any other detectable gas or vapor.

(4) Inspections of the closed vent system collecting regulated material from a transfer rack shall be performed only while a tank truck or railcar is being loaded or is otherwise pressurized to normal operating conditions with

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regulated material or any other detectable gas or vapor.

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 10/30/2023.

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

Condition 121: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.983(d), Subpart SS

Item 121.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

(1) If there are visible, audible, or olfactory indications of leaks at the time of the annual visual inspections required by paragraph (b)(1)(i)(B) of this section, the owner or operator shall follow the procedure specified in either paragraph (d)(1)(i) or (ii) of this section.

(i) The owner or operator shall eliminate the leak.

(ii) The owner or operator shall monitor the equipment according to the procedures in paragraph (c) of this section.

(2) Leaks, as indicated by an instrument reading greater than 500 parts per million by volume above background or by visual inspections, shall be repaired as soon as practical, except as provided in paragraph (d)(3) of this section. Records shall be generated as specified in §63.998(d)(1)(iii) when a leak is detected.

(i) A first attempt at repair shall be made no later than 5 days after the leak is detected.

(ii) Except as provided in paragraph (d)(3) of this section, repairs shall be completed no later than 15 days

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after the leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later.

(3) Delay of repair of a closed vent system for which leaks have been detected is allowed if repair within 15 days after a leak is detected is technically infeasible or unsafe without a closed vent system shutdown, as defined in §63.981, or if the owner or operator determines that emissions resulting from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of such equipment shall be completed as soon as practical, but not later than the end of the next closed vent system shutdown.

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 10/30/2023.

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

Condition 122: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.988(a), Subpart SS

Item 122.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L02

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(2) Incinerators, boilers, or process heaters used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

(3) For boilers and process heaters, the vent stream shall be introduced into the flame zone of the boiler or process heater.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 123: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.988(b), Subpart SS

Item 123.1:

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

Emission Unit: E-LISTS
 Process: L02

Regulated Contaminant(s):
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Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall conduct an initial performance test of any incinerator, boiler, or process heater used to comply with the provisions of a referencing subpart and this subpart according to the procedures in §63.997. Performance test records shall be kept as specified in §63.998(a)(2) and a performance test report shall be submitted as specified in §63.999(a)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 124: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.990(a), Subpart SS

Item 124.1:

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

Emission Unit: E-LISTS
 Process: L01

Regulated Contaminant(s):

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Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(2) Absorbers, condensers, and carbon adsorbers used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 125: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.990(b), Subpart SS

Item 125.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except as specified in §63.997(b), the owner or operator shall conduct an initial performance test of any absorber or condenser used as a control device to comply with the provisions of the referencing subpart and this subpart according to the procedures in §63.997.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 126: Compliance Certification

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Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.994(a)(2), Subpart SS

Item 126.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27035

Process: 056

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(2) Halogen scrubbers and other halogen reduction devices used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 127: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.996, Subpart SS

Item 127.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

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Item 127.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c)(1) All monitoring equipment shall be installed,

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calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(2) The owner or operator of a regulated source shall maintain and operate each CPMS as specified in this section, or in a relevant subpart, and in a manner consistent with good air pollution control practices.

(i) The owner or operator of a regulated source shall ensure the immediate repair or replacement of CPMS parts to correct routine or otherwise predictable CPMS malfunctions. The necessary parts for routine repairs of the affected equipment shall be readily available.

(ii) If under the referencing subpart, an owner or operator has developed a start-up, shutdown, and malfunction plan, the plan is followed, and the CPMS is repaired immediately, this action shall be recorded as specified in §63.998(c)(1)(ii)(E).

(iii) The Administrator's determination of whether acceptable operation and maintenance procedures are being used for the CPMS will be based on information that may include, but is not limited to, review of operation and maintenance procedures, operation and maintenance records as specified in §63.998(c)(1)(i) and (ii), manufacturer's recommendations and specifications, and inspection of the CPMS.

(3) All CPMS's shall be installed and operational, and the data verified as specified in this subpart either prior to or in conjunction with conducting performance tests. Verification of operational status shall, at a minimum, include completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(4) All CPMS's shall be installed such that representative measurements of parameters from the regulated source are obtained.

(5) In accordance with the referencing subpart, except for system breakdowns, repairs, maintenance periods, instrument adjustments, or checks to maintain precision and accuracy, calibration checks, and zero and span adjustments, all continuous parameter monitoring systems shall be in continuous operation when emissions are being routed to the monitored device.

(6) The owner or operator shall establish a range for monitored parameters that indicates proper operation of the control or recovery device. In order to establish the range, the information required in §63.999(b)(3) shall be submitted in the Notification of Compliance Status or the operating permit application or amendment. The range may

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be based upon a prior performance test meeting the specifications of §63.997(b)(1) or a prior TRE index value determination, as applicable, or upon existing ranges or limits established under a referencing subpart. Where the regeneration stream flow and carbon bed temperature are monitored, the range shall be in terms of the total regeneration stream flow per regeneration cycle and the temperature of the carbon bed determined within 15 minutes of the completion of the regeneration cooling cycle.

(d) Alternatives to monitoring requirements. (1) Alternatives to the continuous operating parameter monitoring and recordkeeping provisions. An owner or operator may request approval to use alternatives to the continuous operating parameter monitoring and recordkeeping provisions listed in §§63.988(c), 63.990(c), 63.993(c), 63.994(c), 63.998(a)(2) through (4), 63.998(c)(2) and (3), as specified in §63.999(d)(1). (2) Monitoring a different parameter than those listed. An owner or operator may request approval to monitor a different parameter than those established in paragraph (c)(6) of this section or to set unique monitoring parameters if directed by §§63.994(c)(2) or 63.995(c), as specified in §63.999(d)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 128: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.996(d), Subpart SS

Item 128.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

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Item 128.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Alternatives to the continuous operating parameter

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monitoring and recordkeeping provisions. An owner or operator may request approval to use alternatives to the continuous operating parameter monitoring and recordkeeping provisions listed in §§63.988(c), 63.990(c), 63.993(c), 63.994(c), 63.998(a)(2) through (4), 63.998(c)(2) and (3), as specified in §63.999(d)(1).
(2) Monitoring a different parameter than those listed. An owner or operator may request approval to monitor a different parameter than those established in paragraph (c)(6) of this section or to set unique monitoring parameters if directed by §§63.994(c)(2) or 63.995(c), as specified in §63.999(d)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 129: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.997(c)(3), Subpart SS

Item 129.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
Process: MN1

Emission Unit: C-27035
Process: MN2

Emission Unit: F-INISH
Process: MN3

Item 129.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Unless already permitted by the applicable title V permit, if an owner or operator elects to use a recovery device to replace an existing control device at a later date, or elects to use a different flare, nonflare control device or recovery device to replace an existing flare, nonflare control device or final recovery device at a later date, the owner or operator shall notify the Administrator, either by amendment of the regulated source's title V permit or, if title V is not applicable,

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by submission of the notice specified in §63.999(c)(7) before implementing the change. Upon implementing the change, a compliance demonstration or performance test shall be performed according to the provisions of paragraphs (c)(3)(i) through (v) of this section, as applicable, within 180 days. The compliance assessment report shall be submitted to the Administrator within 60 days of completing the determination, as provided in §63.999(a)(1)(ii).

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 10/30/2023.

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

Condition 130: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.998(a)(2), Subpart SS

Item 130.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with 63.998(a)(2)(B) - Nonflare combustion device. Where an owner or operator subject to the provisions of this paragraph seeks to demonstrate compliance with a percent reduction requirement or a parts per million by volume requirement using a nonflare combustion device the information specified in (a)(2)(ii)(B)(1) through (6) of this section shall be recorded.

(1) For thermal incinerators, record the fire box temperature averaged over the full period of the performance test.

(2) For catalytic incinerators, record the upstream and downstream temperatures and the temperature difference across the catalyst bed averaged over the full period of the performance test.

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(3) For a boiler or process heater with a design heat input capacity less than 44 megawatts and a vent stream that is not introduced with or as the primary fuel, record the fire box temperature averaged over the full period of the performance test.

(4) For an incinerator, record the percent reduction of organic regulated material, if applicable, or TOC achieved by the incinerator determined as specified in §63.997(e)(2)(iv), as applicable, or the concentration of organic regulated material (parts per million by volume, by compound) determined as specified in §63.997(e)(2)(iii) at the outlet of the incinerator.

(5) For a boiler or process heater, record a description of the location at which the vent stream is introduced into the boiler or process heater.

(6) For a boiler or process heater with a design heat input capacity of less than 44 megawatts and where the process vent stream is introduced with combustion air or used as a secondary fuel and is not mixed with the primary fuel, record the percent reduction of organic regulated material or TOC, or the concentration of regulated material or TOC (parts per million by volume, by compound) determined as specified in §63.997(e)(2)(iii) at the outlet of the combustion device.

(C) Other nonflare control devices. Where an owner or operator seeks to use an absorber, condenser, or carbon adsorber as a control device, the information specified in paragraphs (a)(2)(ii)(C)(1) through (5) of this section shall be recorded, as applicable.

(1) Where an absorber is used as the control device, the exit specific gravity and average exit temperature of the absorbing liquid averaged over the same time period as the performance test (both measured while the vent stream is normally routed and constituted); or

(2) Where a condenser is used as the control device, the average exit (product side) temperature averaged over the same time period as the performance test while the vent stream is routed and constituted normally; or

(3) Where a carbon adsorber is used as the control device, the total regeneration stream mass flow during each carbon-bed regeneration cycle during the period of the performance test, and temperature of the carbon-bed after each regeneration during the period of the performance test (and within 15 minutes of completion of any cooling cycle or cycles); or

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(4) As an alternative to paragraph (a)(2)(ii)(C)(1), (2), or (3) of this section, the concentration level or reading indicated by an organics monitoring device at the outlet of the absorber, condenser, or carbon adsorber averaged over the same time period as the performance test while the vent stream is normally routed and constituted.

(5) For an absorber, condenser, or carbon adsorber used as a control device, the percent reduction of regulated material achieved by the control device or concentration of regulated material (parts per million by volume, by compound) at the outlet of the control device.

(D) Halogen reduction devices. When using a scrubber following a combustion device to control a halogenated vent stream, record the information specified in paragraphs (a)(2)(ii)(D)(1) through (3) of this section.

(1) The percent reduction or scrubber outlet mass emission rate of total hydrogen halides and halogens as specified in §63.997(e)(3).

(2) The pH of the scrubber effluent averaged over the time period of the performance test; and

(3) The scrubber liquid-to-gas ratio averaged over the time period of the performance test.

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 10/30/2023.

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

Condition 131: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.998(a)(2), Subpart SS

Item 131.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

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Item 131.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (i) Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests performed pursuant to §§63.988(b), 63.990(b), 63.994(b), or 63.995(b).
- (ii) Nonflare control device and halogen reduction device performance test records.
- (A) General requirements. Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the data specified in paragraphs (a)(2)(ii)(B) through (C) of this section, as applicable, measured during each performance test performed pursuant to §63.988(b), §63.990(b), §63.994(b), or §63.995(b), and also include that data in the Notification of Compliance Status required under §63.999(b). The same data specified in this section shall be submitted in the reports of all subsequently required performance tests where either the emission control efficiency of a combustion device, or the outlet concentration of TOC or regulated material is determined.

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 10/30/2023.

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

Condition 132: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.998(b), Subpart SS

Item 132.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

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Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

- (1) Continuous records. Where this subpart requires a continuous record, the owner or operator shall maintain a record as specified in paragraphs (b)(1)(i) through (iv) of this section, as applicable:
 - (i) A record of values measured at least once every 15 minutes or each measured value for systems which measure more frequently than once every 15 minutes; or
 - (ii) A record of block average values for 15-minute or shorter periods calculated from all measured data values during each period or from at least one measured data value per minute if measured more frequently than once per minute.
 - (iii) Where data is collected from an automated continuous parameter monitoring system, the owner or operator may calculate and retain block hourly average values from each 15-minute block average period or from at least one measured value per minute if measured more frequently than once per minute, and discard all but the most recent three valid hours of continuous (15-minute or shorter) records, if the hourly averages do not exclude periods of CPMS breakdown or malfunction. An automated CPMS records the measured data and calculates the hourly averages through the use of a computerized data acquisition system.
 - (iv) A record as required by an alternative approved under a referencing subpart.
- (2) Excluded data. Monitoring data recorded during periods identified in paragraphs (b)(2)(i) through (iii) of this section shall not be included in any average computed to determine compliance with an emission limit in a referencing subpart.
 - (i) Monitoring system breakdowns, repairs, preventive maintenance, calibration checks, and zero (low-level) and high-level adjustments;
 - (ii) Periods of non-operation of the process unit (or portion thereof), resulting in cessation of the emissions to which the monitoring applies; and
 - (iii) Start-ups, shutdowns, and malfunctions, if the owner or operator follows the applicable provisions of the start-up, shutdown, and malfunction plan required by a referencing subpart and maintains the records specified in paragraph (d)(3) of this section.
- (3) Records of daily averages. In addition to the records specified in paragraph (a), owners or operators shall keep records as specified in paragraphs (b)(3)(i) and (ii) of this section and submit reports as specified in §63.999(c), unless an alternative recordkeeping system has been requested and approved under a referencing subpart.
 - (i) Except as specified in paragraph (b)(3)(ii) of this section, daily average values of each continuously monitored parameter shall be calculated from data meeting

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the specifications of paragraph (b)(2) of this section for each operating day and retained for 5 years.

(A) The daily average shall be calculated as the average of all values for a monitored parameter recorded during the operating day. The average shall cover a 24-hour period if operation is continuous, or the period of operation per operating day if operation is not continuous (e.g., for transfer racks the average shall cover periods of loading). If values are measured more frequently than once per minute, a single value for each minute may be used to calculate the daily average instead of all measured values.

(B) The operating day shall be the period defined in the operating permit or in the Notification of Compliance Status. It may be from midnight to midnight or another daily period.

(ii) If all recorded values for a monitored parameter during an operating day are within the range established in the Notification of Compliance Status or in the operating permit, the owner or operator may record that all values were within the range and retain this record for 5 years rather than calculating and recording a daily average for that operating day. In such cases, the owner or operator may not discard the recorded values as allowed in paragraph (b)(1)(iii) of this section.

(4) [Reserved]

(5) Alternative recordkeeping. For any parameter with respect to any item of equipment associated with a process vent or transfer rack (except low throughput transfer loading racks), the owner or operator may implement the recordkeeping requirements in paragraphs (b)(5)(i) or (ii) of this section as alternatives to the recordkeeping provisions listed in paragraphs (b)(1) through (3) of this section. The owner or operator shall retain each record required by paragraphs (b)(5)(i) or (ii) of this section as provided in a referencing subpart.

(i) The owner or operator may retain only the daily average value, and is not required to retain more frequently monitored operating parameter values, for a monitored parameter with respect to an item of equipment, if the requirements of paragraphs (b)(5)(i)(A) through (F) of this section are met. The owner or operator shall notify the Administrator in the Notification of Compliance Status as specified in §63.999(b)(5) or, if the Notification of Compliance Status has already been submitted, in the Periodic Report immediately preceding implementation of the requirements of this paragraph, as specified in §63.999(c)(6)(iv).

(A) The monitoring system is capable of detecting unrealistic or impossible data during periods of operation other than start-ups, shutdowns or malfunctions (e.g., a temperature reading of -200°C on a boiler), and will alert

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the operator by alarm or other means. The owner or operator shall record the occurrence. All instances of the alarm or other alert in an operating day constitute a single occurrence.

(B) The monitoring system generates a running average of the monitoring values, updated at least hourly throughout each operating day, that have been obtained during that operating day, and the capability to observe this average is readily available to the Administrator on-site during the operating day. The owner or operator shall record the occurrence of any period meeting the criteria in paragraphs (b)(5)(i)(B)(1) through (3) of this section. All instances in an operating day constitute a single occurrence.

(1) The running average is above the maximum or below the minimum established limits;

(2) The running average is based on at least six one-hour average values; and

(3) The running average reflects a period of operation other than a start-up, shutdown, or malfunction.

(C) The monitoring system is capable of detecting unchanging data during periods of operation other than start-ups, shutdowns or malfunctions, except in circumstances where the presence of unchanging data is the expected operating condition based on past experience (e.g., pH in some scrubbers), and will alert the operator by alarm or other means. The owner or operator shall record the occurrence. All instances of the alarm or other alert in an operating day constitute a single occurrence.

(D) The monitoring system will alert the owner or operator by an alarm, if the running average parameter value calculated under paragraph (b)(5)(i)(B) of this section reaches a set point that is appropriately related to the established limit for the parameter that is being monitored.

(E) The owner or operator shall verify the proper functioning of the monitoring system, including its ability to comply with the requirements of paragraph (b)(5)(i) of this section, at the times specified in paragraphs (b)(5)(i)(E)(1) through (3) of this section. The owner or operator shall document that the required verifications occurred.

(1) Upon initial installation.

(2) Annually after initial installation.

(3) After any change to the programming or equipment constituting the monitoring system that might reasonably be expected to alter the monitoring system's ability to comply with the requirements of this section.

(F) The owner or operator shall retain the records identified in paragraphs (b)(5)(i)(F)(1) through (4) of this section.

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(1) Identification of each parameter, for each item of equipment, for which the owner or operator has elected to comply with the requirements of paragraph (b)(5)(i) of this section.

(2) A description of the applicable monitoring system(s), and of how compliance will be achieved with each requirement of paragraph (b)(5)(i)(A) through (E) of this section. The description shall identify the location and format (e.g., on-line storage; log entries) for each required record. If the description changes, the owner or operator shall retain both the current and the most recent superseded description. The description, and the most recent superseded description, shall be retained as provided in the subpart that references this subpart, except as provided in paragraph (b)(5)(i)(F)(1) of this section.

(3) A description, and the date, of any change to the monitoring system that would reasonably be expected to affect its ability to comply with the requirements of paragraph (b)(5)(i) of this section.

(4) Owners and operators subject to paragraph (b)(5)(i)(F)(2) of this section shall retain the current description of the monitoring system as long as the description is current, but not less than 5 years from the date of its creation. The current description shall be retained on-site at all times or be accessible from a central location by computer or other means that provides access within 2 hours after a request. The owner or operator shall retain the most recent superseded description at least until 5 years from the date of its creation. The superseded description shall be retained on-site (or accessible from a central location by computer that provides access within 2 hours after a request) at least 6 months after being superseded. Thereafter, the superseded description may be stored off-site.

(ii) If an owner or operator has elected to implement the requirements of paragraph (b)(5)(i) of this section, and a period of 6 consecutive months has passed without an excursion as defined in paragraph (b)(6)(i) of this section, the owner or operator is no longer required to record the daily average value for that parameter for that unit of equipment, for any operating day when the daily average value is less than the maximum, or greater than the minimum established limit. With approval by the Administrator, monitoring data generated prior to the compliance date of this subpart shall be credited toward the period of 6 consecutive months, if the parameter limit and the monitoring were required and/or approved by the Administrator.

(A) If the owner or operator elects not to retain the daily average values, the owner or operator shall notify the Administrator in the next Periodic Report, as

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specified in §63.999(c)(6)(i). The notification shall identify the parameter and unit of equipment.

(B) If there is an excursion as defined in paragraph (b)(6)(i) of this section on any operating day after the owner or operator has ceased recording daily averages as provided in paragraph (b)(5)(ii) of this section, the owner or operator shall immediately resume retaining the daily average value for each operating day, and shall notify the Administrator in the next Periodic Report, as specified in §63.999(c). The owner or operator shall continue to retain each daily average value until another period of 6 consecutive months has passed without an excursion as defined in paragraph (b)(6)(i) of this section.

(C) The owner or operator shall retain the records specified in paragraphs (b)(5)(i)(A) through (F) of this section for the duration specified in a referencing subpart. For any week, if compliance with paragraphs (b)(5)(i)(A) through (D) of this section does not result in retention of a record of at least one occurrence or measured parameter value, the owner or operator shall record and retain at least one parameter value during a period of operation other than a start-up, shutdown, or malfunction.

(6)(i) For the purposes of this section, an excursion means that the daily average value of monitoring data for a parameter is greater than the maximum, or less than the minimum established value, except as provided in paragraphs (b)(6)(i)(A) and (B) of this section.

(A) The daily average value during any start-up, shutdown or malfunction shall not be considered an excursion if the owner or operator follows the applicable provisions of the start-up, shutdown, and malfunction plan required by a referencing subpart and maintains the records specified in paragraph (d)(3) of this section.

(B) An excused excursion, as described in paragraph (b)(6)(ii), does not count toward the number of excursions for the purposes of this subpart.

(ii) One excused excursion for each control device or recovery device for each semiannual period is allowed. If a source has developed a start-up, shutdown and malfunction plan, and a monitored parameter is outside its established range or monitoring data are not collected during periods of start-up, shutdown, or malfunction (and the source is operated during such periods in accordance with the start-up, shutdown, and malfunction plan) or during periods of nonoperation of the process unit or portion thereof (resulting in cessation of the emissions to which monitoring applies), then the excursion is not a violation and, in cases where continuous monitoring is required, the excursion does not count as the excused excursion for determining compliance.

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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 10/30/2023.

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

Condition 133: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.998(c)(1), Subpart SS

Item 133.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 133.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) Monitoring system records. For process vents, the owner or operator subject to this subpart shall keep the records specified in this paragraph, as well as records specified elsewhere in this subpart.
 - (i) For a CPMS used to comply with this part, a record of the procedure used for calibrating the CPMS.
 - (ii) For a CPMS used to comply with this subpart, records of the information specified in paragraphs (c)(ii)(A) through (H) of this section, as indicated in a referencing subpart.
 - (A) The date and time of completion of calibration and preventive maintenance of the CPMS.
 - (B) The "as found" and "as left" CPMS readings, whenever an adjustment is made that affects the CPMS reading and a "no adjustment" statement otherwise.
 - (C) The start time and duration or start and stop times of any periods when the CPMS is inoperative.
 - (D) Records of the occurrence and duration of each start-up, shutdown, and malfunction of CPMS used to comply with this subpart during which excess emissions (as defined in a referencing subpart) occur.
 - (E) For each start-up, shutdown, and malfunction during which excess emissions as defined in a referencing subpart occur, records whether the procedures specified in the

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source's start-up, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan. These records may take the form of a "checklist," or other form of recordkeeping that confirms conformance with the start-up, shutdown, and malfunction plan for the event.

(F) Records documenting each start-up, shutdown, and malfunction event.

(G) Records of CPMS start-up, shutdown, and malfunction event that specify that there were no excess emissions during the event, as applicable.

(H) Records of the total duration of operating time.

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 10/30/2023.

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

Condition 134: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.998(c)(2), Subpart SS

Item 134.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(i) Each owner or operator using a combustion control or halogen reduction device to comply with this subpart shall keep the following records up-to-date and readily accessible, as applicable. Continuous records of the equipment operating parameters specified to be monitored under §§63.988(c) (incinerator, boiler, and process heater monitoring), 63.994(c) (halogen reduction device monitoring), and 63.995(c) (other combustion systems used as control device monitoring) or approved by the Administrator in accordance with a referencing subpart.

(ii) Each owner or operator shall keep records of the

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daily average value of each continuously monitored parameter for each operating day determined according to the procedures specified in paragraph (b)(3)(i) of this section. For catalytic incinerators, record the daily average of the temperature upstream of the catalyst bed and the daily average of the temperature differential across the bed. For halogen scrubbers record the daily average pH and the liquid-to-gas ratio.

(iii) Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible records of periods of operation during which the parameter boundaries are exceeded. The parameter boundaries are established pursuant to §63.996(c)(6).

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 10/30/2023.

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

Condition 135: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.998(d), Subpart SS

Item 135.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Item 135.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with 63.988(d)(3)(i), records of the occurrence and duration of each start-up, shutdown, and malfunction of operation of process equipment or of air pollution control equipment used to comply with this part during which excess emissions (as defined in a referencing subpart) occur.

(ii) For each start-up, shutdown, and malfunction during which excess emissions occur, records that the procedures specified in the source's start-up, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan. For example, if a start-up, shutdown, and malfunction plan includes procedures for routing control device emissions

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to a backup control device (e.g., the incinerator for a halogenated stream could be routed to a flare during periods when the primary control device is out of service), records must be kept of whether the plan was followed. These records may take the form of a “checklist,” or other form of recordkeeping that confirms conformance with the start-up, shutdown, and malfunction plan for the event.

(4) Equipment leak records. The owner or operator shall maintain records of the information specified in paragraphs (d)(4)(i) and (ii) of this section for closed vent systems and control devices if specified by the equipment leak provisions in a referencing subpart. The records specified in paragraph (d)(4)(i) of this section shall be retained for the life of the equipment. The records specified in paragraph (d)(4)(ii) of this section shall be retained for 5 years.

(i) The design specifications and performance demonstrations specified in paragraphs (d)(4)(i)(A) through (C) of this section.

(A) Detailed schematics, design specifications of the control device, and piping and instrumentation diagrams.

(B) The dates and descriptions of any changes in the design specifications.

(C) A description of the parameter or parameters monitored, as required in a referencing subpart, to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was selected for the monitoring.

(ii) Records of operation of closed vent systems and control devices, as specified in paragraphs (d)(4)(ii)(A) through (C) of this section.

(A) Dates and durations when the closed vent systems and control devices required are not operated as designed as indicated by the monitored parameters.

(B) Dates and durations during which the monitoring system or monitoring device is inoperative.

(C) Dates and durations of start-ups and shutdowns of control devices required in this subpart.

(5) Records of monitored parameters outside of range. The owner or operator shall record the occurrences and the cause of periods when the monitored parameters are outside of the parameter ranges documented in the Notification of Compliance Status report. This information shall also be

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reported in the Periodic Report.

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 10/30/2023.

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

Condition 136: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.998(d)(1), Subpart SS

Item 136.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L01

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For closed vent systems the owner or operator shall record the information specified in paragraphs (d)(1)(i) through (iv) of this section, as applicable.

(i) For closed vent systems collecting regulated material from a regulated source, the owner or operator shall record the identification of all parts of the closed vent system, that are designated as unsafe or difficult to inspect, an explanation of why the equipment is unsafe or difficult to inspect, and the plan for inspecting the equipment required by §63.983(b)(2)(ii) or (iii) of this section.

(ii) For each closed vent system that contains bypass lines that could divert a vent stream away from the control device and to the atmosphere, the owner or operator shall keep a record of the information specified in either paragraph (d)(1)(ii)(A) or (B) of this section, as applicable.

(A) Hourly records of whether the flow indicator specified under §63.983(a)(3)(i) was operating and whether a diversion was detected at any time during the hour, as well as records of the times of all periods when the vent stream is diverted from the control device or the flow indicator is not operating.

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(B) Where a seal mechanism is used to comply with §63.983(a)(3)(ii), hourly records of flow are not required. In such cases, the owner or operator shall record that the monthly visual inspection of the seals or closure mechanisms has been done, and shall record the occurrence of all periods when the seal mechanism is broken, the bypass line valve position has changed, or the key for a lock-and-key type lock has been checked out, and records of any car-seal that has been broken.

(iii) For a closed vent system collecting regulated material from a regulated source, when a leak is detected as specified in §63.983(d)(2), the information specified in paragraphs (d)(1)(iii)(A) through (F) of this section shall be recorded and kept for 5 years.

(A) The instrument and the equipment identification number and the operator name, initials, or identification number.

(B) The date the leak was detected and the date of the first attempt to repair the leak.

(C) The date of successful repair of the leak.

(D) The maximum instrument reading measured by the procedures in §63.983(c) after the leak is successfully repaired or determined to be nonrepairable.

(E) (Repair delayed) and the reason for the delay if a leak is not repaired within 15 days after discovery of the leak. The owner or operator may develop a written procedure that identifies the conditions that justify a delay of repair. In such cases, reasons for delay of repair may be documented by citing the relevant sections of the written procedure.

(F) Copies of the Periodic Reports as specified in §63.999(c), if records are not maintained on a computerized database capable of generating summary reports from the records.

(iv) For each instrumental or visual inspection conducted in accordance with §63.983(b)(1) for closed vent systems collecting regulated material from a regulated source during which no leaks are detected, the owner or operator shall record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.

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 10/30/2023.

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

Condition 137: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

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Applicable Federal Requirement:40CFR 63.1019, Subpart UU

Item 137.1:

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 137.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) The provisions of this subpart apply to the control of air emissions from equipment leaks for which another subpart references the use of this subpart for such air emission control. These air emission standards for equipment leaks are placed here for administrative convenience and only apply to those owners and operators of facilities subject to a referencing subpart. The provisions of 40 CFR part 63, subpart A (General Provisions) do not apply to this subpart except as noted in the referencing subpart.
- (b) The provisions of this subpart and the referencing subpart apply to equipment that contains or contacts regulated material. This subpart applies to pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, instrumentation systems, and closed vent systems and control devices used to meet the requirements of this subpart.
- (d) Equipment intended to be in regulated material service less than 300 hours per calendar year is excluded from the requirements of §§63.1025 through 63.1034 and §63.1036 if it is identified as required in §63.1022(b)(5).

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 10/30/2023.

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

Condition 138: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1022, Subpart UU

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 138.1:

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

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 138.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) General equipment identification. Equipment subject to this subpart shall be identified. Identification of the equipment does not require physical tagging of the equipment. For example, the equipment may be identified on a plant site plan, in log entries, by designation of process unit or affected facility boundaries by some form of weatherproof identification, or by other appropriate methods.

(b) Additional equipment identification. In addition to the general identification required by paragraph (a) of this section, equipment subject to any of the provisions in §§63.1023 through 63.1034 shall be specifically identified as required in paragraphs (b)(1) through (b)(5) of this section, as applicable. This paragraph does not apply to an owner or operator of a batch product process who elects to pressure test the batch product process equipment train pursuant to §63.1036.

(c) Special equipment designations: Equipment that is unsafe or difficult-to-monitor. (1) Designation and criteria for unsafe-to-monitor. Valves meeting the provisions of §63.1025(e)(1), pumps meeting the provisions of §63.1026(e)(6), connectors meeting the provisions of §63.1027(e)(1), and agitators meeting the provisions of §63.1028(e)(7) may be designated unsafe-to-monitor if the owner or operator determines that monitoring personnel would be exposed to an immediate danger as a consequence of complying with the monitoring requirements of this subpart. Examples of unsafe-to-monitor equipment include, but is not limited to, equipment under extreme pressure or heat.

(2) Designation and criteria for difficult-to-monitor. Valves meeting the provisions of §63.1025(e)(2) may be designated difficult-to-monitor if the provisions of paragraph (c)(2)(i) apply. Agitators meeting the

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provisions of §63.1028(e)(5) may be designated difficult-to-monitor if the provisions of paragraph (c)(2)(ii) apply.

(i) Valves. (A) The owner or operator of the valve determines that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters (7 feet) above a support surface or it is not accessible in a safe manner when it is in regulated material service; and

(B) The process unit or affected facility within which the valve is located is an existing source, or the owner or operator designates less than 3 percent of the total number of valves in a new source as difficult-to-monitor.

(ii) Agitators. The owner or operator determines that the agitator cannot be monitored without elevating the monitoring personnel more than 2 meters (7 feet) above a support surface or it is not accessible in a safe manner when it is in regulated material service.

(3) Identification of unsafe or difficult-to-monitor equipment. The owner or operator shall record the identity of equipment designated as unsafe-to-monitor according to the provisions of paragraph (c)(1) of this section and the planned schedule for monitoring this equipment. The owner or operator shall record the identity of equipment designated as difficult-to-monitor according to the provisions of paragraph (c)(2) of this section, the planned schedule for monitoring this equipment, and an explanation why the equipment is unsafe or difficult-to-monitor. This record must be kept at the plant and be available for review by an inspector.

(4) Written plan requirements. (i) The owner or operator of equipment designated as unsafe-to-monitor according to the provisions of paragraph (c)(1) of this section shall have a written plan that requires monitoring of the equipment as frequently as practical during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in §63.1024 if a leak is detected.

(ii) The owner or operator of equipment designated as difficult-to-monitor according to the provisions of paragraph (c)(2) of this section shall have a written plan that requires monitoring of the equipment at least once per calendar year and repair of the equipment according to the procedures in §63.1024 if a leak is detected.

(d) Special equipment designations: Equipment that is unsafe-to-repair. (1) Designation and criteria. Connectors subject to the provisions of §63.1024(e) may be designated unsafe-to-repair if the owner or operator determines that repair personnel would be exposed to an immediate danger

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as a consequence of complying with the repair requirements of this subpart, and if the connector will be repaired before the end of the next process unit or affected facility shutdown as specified in §63.1024(e)(2).

(2) Identification of equipment. The identity of connectors designated as unsafe-to-repair and an explanation why the connector is unsafe-to-repair shall be recorded.

(e) Special equipment designations: Compressors operating with an instrument reading of less than 500 parts per million above background. Identify the compressors that the owner or operator elects to designate as operating with an instrument reading of less than 500 parts per million above background, under the provisions of §63.1031(f).

(f) Special equipment designations: Equipment in heavy liquid service. The owner or operator of equipment in heavy liquid service shall comply with the requirements of either paragraph (f)(1) or (f)(2) of this section, as provided in paragraph (f)(3) of this section.

(1) Retain information, data, and analyses used to determine that a piece of equipment is in heavy liquid service.

(2) When requested by the Administrator, demonstrate that the piece of equipment or process is in heavy liquid service.

(3) A determination or demonstration that a piece of equipment or process is in heavy liquid service shall include an analysis or demonstration that the process fluids do not meet the definition of "in light liquid service." Examples of information that could document this include, but are not limited to, records of chemicals purchased for the process, analyses of process stream composition, engineering calculations, or process knowledge.

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 10/30/2023.

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

Condition 139: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1023(a), Subpart UU

Item 139.1:

The Compliance Certification activity will be performed for the facility:

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Facility DEC ID: 5415400002

The Compliance Certification applies to:

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a regulated source subject to this subpart shall monitor regulated equipment as specified in 40 CFR63.1023(a)(1) of this section for instrument monitoring and 40 CFR63.1023(a)(2) for sensory monitoring.

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 10/30/2023.

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

Condition 140: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1023(b), Subpart UU

Item 140.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 140.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Instrument monitoring, as required under this subpart, shall comply with the requirements specified in 40 CFR63.1023(b)(1) through 40 CFR63.1023(b)(6).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 141: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1023(c), Subpart UU

Item 141.1:

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

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator may elect to adjust or not to adjust the instrument readings for background. If an owner or operator elects not to adjust instrument readings for background, the owner or operator shall monitor the equipment according to the procedures specified in paragraphs 40 CFR63.1023(b)(1) through 40 CFR63.1023(b)(5) of this section. In such cases, all instrument readings shall be compared directly to the applicable leak definition for the monitored equipment to determine whether there is a leak or to determine compliance with 40 CFR63.1030(b) or 40 CFR63.1031(f). If an owner or operator elects to adjust instrument readings for background, the owner or operator shall monitor the equipment according to the procedures specified in paragraphs 40 CFR63.1023(c)(1) through 40 CFR63.1023(c)(4) of this section.

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 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 142: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1023(e), Subpart UU

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 142.1:

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) When each leak is detected pursuant to the monitoring specified in paragraph (a) of this section, a weatherproof and readily visible identification, shall be attached to the leaking equipment.
- (2) When each leak is detected, the information specified in §63.1024(f) shall be recorded and kept pursuant to the referencing subpart, except for the information for connectors complying with the 8 year monitoring period allowed under §63.1027(b)(3)(iii) shall be kept 5 years beyond the date of its last use.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 04/17/2024 for the period 09/19/2023 through 03/18/2024

Condition 143: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1024(a), Subpart UU

Item 143.1:

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 143.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

The owner or operator shall repair each leak detected as soon as practical, but not later than 15 calendar days after it is detected, except as provided in 40 CFR63.1024(d) and 40 CFR63.1024(e). A first attempt at repair as defined in this subpart shall be made no later than 5 calendar days after the leak is detected. First attempt at repair for pumps includes, but is not limited to, tightening the packing gland nuts and/or ensuring that the seal flush is operating at design pressure and temperature. First attempt at repair for valves includes, but is not limited to, tightening the bonnet bolts, and/or replacing the bonnet bolts, and/or tightening the packing gland nuts, and/or injecting lubricant into the lubricated packing.

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 10/30/2023.

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

Condition 144: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1024(c), Subpart UU

Item 144.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 144.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The leak identification on a valve in gas/vapor or light liquid service may be removed after it has been monitored as specified in 40 CFR63.1025(d)(2), and no leak has been detected during that monitoring. The leak identification on a connector in gas/vapor or light liquid service may be removed after it has been monitored as specified in 40 CFR63.1027(b)(3)(iv) and no leak has been detected during that monitoring.

(2) The identification that has been placed, pursuant to

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Facility DEC ID: 5415400002

40DFR63.1023(e)(1), on equipment determined to have a leak, except for a valve or for a connector in gas/vapor or light liquid service that is subject to the provisions of 40 CFR63.1027(b)(3)(iv), may be removed after it is repaired.

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 10/30/2023.

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

Condition 145: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1024(d), Subpart UU

Item 145.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 145.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Delay of repair is allowed for any of the conditions specified in paragraphs (d)(1) through (d)(5) of this section. The owner or operator shall maintain a record of the facts that explain any delay of repairs and, where appropriate, why the repair was technically infeasible without a process unit shutdown.

(1) Delay of repair of equipment for which leaks have been detected is allowed if repair within 15 days after a leak is detected is technically infeasible without a process unit or affected facility shutdown. Repair of this equipment shall occur as soon as practical, but no later than the end of the next process unit or affected facility shutdown, except as provided in paragraph (d)(5) of this section.

(2) Delay of repair of equipment for which leaks have been detected is allowed for equipment that is isolated from the process and that does not remain in regulated material service.

(3) Delay of repair for valves, connectors, and agitators

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Facility DEC ID: 5415400002

is also allowed if the provisions of paragraphs (d)(3)(i) and (d)(3)(ii) of this section are met.

(i) The owner or operator determines that emissions of purged material resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair, and

(ii) When repair procedures are effected, the purged material is collected and destroyed, collected and routed to a fuel gas system or process, or recovered in a control device complying with either §63.1034 or §63.1021(b) of this part.

(4) Delay of repair for pumps is also allowed if the provisions of paragraphs (d)(4)(i) and (d)(4)(ii) of this section are met.

(i) Repair requires replacing the existing seal design with a new system that the owner or operator has determined under the provisions of §63.1035(d) will provide better performance or one of the specifications of paragraphs (d)(4)(i)(A) through (d)(4)(i)(C) of this section are met.

(A) A dual mechanical seal system that meets the requirements of §63.1026(e)(1) will be installed;

(B) A pump that meets the requirements of §63.1026(e)(2) will be installed; or

(C) A system that routes emissions to a process or a fuel gas system or a closed vent system and control device that meets the requirements of §63.1026(e)(3) will be installed; and

(ii) Repair is completed as soon as practical, but not later than 6 months after the leak was detected.

(5) Delay of repair beyond a process unit or affected facility shutdown will be allowed for a valve if valve assembly replacement is necessary during the process unit or affected facility shutdown, and valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted.

Delay of repair beyond the second process unit or affected facility shutdown will not be allowed unless the third process unit or affected facility shutdown occurs sooner than 6 months after the first process unit or affected facility shutdown.

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 10/30/2023.

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

Condition 146: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Applicable Federal Requirement:40CFR 63.1024(e), Subpart UU

Item 146.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

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Item 146.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any connector that is designated, as described in §63.1022(d), as an unsafe-to-repair connector is exempt from the requirements of §63.1027(d), and paragraph (a) of this section.

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 10/30/2023.

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

Condition 147: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1024(f), Subpart UU

Item 147.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 147.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each leak detected, the following shall be recorded and maintained pursuant to the referencing subpart:

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- (1) The date of first attempt to repair the leak.
- (2) The date of successful repair of the leak.
- (3) Maximum instrument reading measured by Method 21 of 40 CFR part 60, appendix A at the time the leak is successfully repaired or determined to be nonrepairable.
- (4) (Repair delayed) and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak as specified in paragraphs (f)(4)(i) and (f)(4)(ii) of this section.
 - (i) The owner or operator may develop a written procedure that identifies the conditions that justify a delay of repair. The written procedures may be included as part of the startup, shutdown, and malfunction plan, as required by the referencing subpart for the source, or may be part of a separate document that is maintained at the plant site. In such cases, reasons for delay of repair may be documented by citing the relevant sections of the written procedure.
 - (ii) If delay of repair was caused by depletion of stocked parts, there must be documentation that the spare parts were sufficiently stocked on-site before depletion and the reason for depletion.
- (5) Dates of process unit or affected facility shutdowns that occur while the equipment is unrepaired.

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 10/30/2023.

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

Condition 148: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1025(b), Subpart UU

Item 148.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Monitoring Description:

Unless otherwise specified in §63.1021(b) or paragraph (e) of this section, or the referencing subpart, the owner or operator shall monitor all valves at the intervals specified in paragraphs (b)(3) and/or (b)(4) of this section and shall comply with all other provisions of this section.

(1) Monitoring method. The valves shall be monitored to detect leaks by the method specified in §63.1023(b) and, as applicable, §63.1023(c).

(2) Instrument reading that defines a leak. The instrument reading that defines a leak is 500 parts per million or greater.

(3) Monitoring frequency. The owner or operator shall monitor valves for leaks at the intervals and keep records specified by the following:

(i) If at least the greater of 2 valves or 2 percent of the valves in a process unit leak, as calculated according to 40 CFR63.1025(c), the owner or operator shall monitor each valve once per month.

(ii) At process units with less than the greater of 2 leaking valves or 2 percent leaking valves, the owner or operator shall monitor each valve once each quarter, except as provided in 40 CFR63.1025(b)(3)(iii) through 40 CFR63.1025(b)(3)(v). Monitoring data generated before the regulated source became subject to the referencing subpart and meeting the criteria of either 40 CFR63.1023(b)(1) through (b)(5), or 40 CFR63.1023(b)(6), may be used to qualify initially for less frequent monitoring under paragraphs 40 CFR63.1025(b)(3)(iii) through 40 CFR63.1025(b)(3)(v).

(iii) At process units with less than 1 percent leaking valves, the owner or operator may elect to monitor each valve once every two quarters

(iv) At process units with less than 0.5 percent leaking valves, the owner or operator may elect to monitor each valve once every four quarters.

(v) At process units with less than 0.25 percent leaking valves, the owner or operator may elect to monitor each valve once every 2 years.

(vi) The owner or operator shall keep a record of the monitoring schedule for each process unit.

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 10/30/2023.

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

Condition 149: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Applicable Federal Requirement: 40CFR 63.1025(c), Subpart UU**Item 149.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Calculation basis and procedures. (i) The owner or operator shall decide no later than the compliance date of this part or upon revision of an operating permit whether to calculate percent leaking valves on a process unit or group of process units basis. Once the owner or operator has decided, all subsequent percentage calculations shall be made on the same basis and this shall be the basis used for comparison with the subgrouping criteria specified in paragraph (b)(4)(i) of this section.

(ii) The percent leaking valves for each monitoring period for each process unit or valve subgroup, as provided in paragraph (b)(4) of this section, shall be calculated using the following equation:

$$\%VL = (VL/VT) \times 100 \text{ [Eq. 2]}$$

where:

%VL = Percent leaking valves.

VL = Number of valves found leaking, excluding nonrepairable valves, as provided in paragraph (c)(3) of this section, and including those valves found leaking pursuant to paragraphs (d)(2)(iii)(A) and (d)(2)(iii)(B) of this section.

VT = The sum of the total number of valves monitored.

(2) Calculation for monitoring frequency. When determining monitoring frequency for each process unit or valve subgroup subject to monthly, quarterly, or semiannual monitoring frequencies, the percent leaking valves shall be the arithmetic average of the percent leaking valves from the last two monitoring periods. When determining monitoring frequency for each process unit or valve subgroup subject to annual or biennial (once every 2 years) monitoring frequencies, the percent leaking valves shall be the arithmetic average of the percent leaking

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valves from the last three monitoring periods.

(3) Nonrepairable valves. (i) Nonrepairable valves shall be included in the calculation of percent leaking valves the first time the valve is identified as leaking and nonrepairable and as required to comply with paragraph (c)(3)(ii) of this section. Otherwise, a number of nonrepairable valves (identified and included in the percent leaking valves calculation in a previous period) up to a maximum of 1 percent of the total number of valves in regulated material service at a process unit or affected facility may be excluded from calculation of percent leaking valves for subsequent monitoring periods.

(ii) If the number of nonrepairable valves exceeds 1 percent of the total number of valves in regulated material service at a process unit or affected facility, the number of nonrepairable valves exceeding 1 percent of the total number of valves in regulated material service shall be included in the calculation of percent leaking valves.

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 10/30/2023.

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

Condition 150: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1025(d), Subpart UU

Item 150.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) If a leak is determined pursuant to 40 CFR63.1025(b), 40 CFR63.1025(e)(1), or 40 CFR63.1025(e)(2), then the leak shall be repaired using the procedures in 40 CFR63.1024, as applicable.

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(2) After a leak has been repaired, the valve shall be monitored at least once within the first 3 months after its repair. The monitoring required by this paragraph is in addition to the monitoring required to satisfy the definition of repaired and first attempt at repair.

(i) The monitoring shall be conducted as specified in 40 CFR63.1023(b) and 40 CFR63.1025(c), as appropriate, to determine whether the valve has resumed leaking.

(ii) Periodic monitoring required by 40 CFR63.1025(b) may be used to satisfy the requirements of this paragraph, if the timing of the monitoring period coincides with the time specified in this paragraph. Alternatively, other monitoring may be performed to satisfy the requirements of this paragraph, regardless of whether the timing of the monitoring period for periodic monitoring coincides with the time specified in this paragraph.

(iii) If a leak is detected by monitoring that is conducted pursuant to 40 CFR63.1025(d)(2), the owner or operator shall follow the provisions of 40 CFR63.1025(d)(2)(iii)(A) and 40 CFR63.1025(d)(2)(iii)(B), to determine whether that valve must be counted as a leaking valve for purposes of 40 CFR63.1025(c)(1)(ii).

(A) If the owner or operator elected to use periodic monitoring required by 40 CFR63.1025(b) to satisfy the requirements of 40 CFR63.1025(d)(2), then the valve shall be counted as a leaking valve.

(B) If the owner or operator elected to use other monitoring, prior to the periodic monitoring required by 40 CFR63.1025(b), to satisfy the requirements of 40 CFR63.1025(d)(2), then the valve shall be counted as a leaking valve unless it is repaired and shown by periodic monitoring not to be leaking.

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 10/30/2023.

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

Condition 151: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1025(e)(1), Subpart UU

Item 151.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any valve that is designated as an unsafe-to-monitor valve is exempt from the requirements of 40 CFR63.1025(b) and 40 CFR63.1025(d)(2) and the owner or operator shall monitor the valve according to the written plan specified in 40 CFR63.1022(c)(4).

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 10/30/2023.

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

Condition 152: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1025(e)(2), Subpart UU

Item 152.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 152.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any valve that is designated as a difficult-to-monitor valve is exempt from the requirements of paragraph 40 CFR63.1025(b) of this section and the owner or operator shall monitor the valve according to the written plan specified in 40 CFR63.1022(c)(4).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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Facility DEC ID: 5415400002

The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 153: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1025(e)(3), Subpart UU

Item 153.1:

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

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 153.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

Any equipment located at a plant site with fewer than 250 valves in regulated material service is exempt from the requirements for monthly monitoring specified 40 CFR63.1025(b)(3)(i). Instead, the owner or operator shall monitor each valve in regulated material service for leaks once each quarter, as provided in 40 CFR63.1025(e)(1) and 40 CFR63.1025(e)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 154: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1026, Subpart UU

Item 154.1:

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

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 154.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.1026(b)

(1) The pumps shall be monitored monthly to detect leaks by the method specified in 40 CFR63.1023(b) and, as applicable, 40 CFR63.1023(c).

(2) The instrument reading that defines a leak is specified is specified as:
 (i) 5,000 parts per million or greater for pumps handling polymerizing monomers;
 (ii) 2,000 parts per million or greater for pumps in food/medical service; and
 (iii) 1,000 parts per million or greater for all other pumps.

(3) Leak repair exception. For pumps to which a 1,000 parts per million leak definition applies, repair is not required unless an instrument reading of 2,000 parts per million or greater is detected.

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 10/30/2023.

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

Condition 155: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1026(b)(4), Subpart UU

Item 155.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 155.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 5-4154-00002/01743

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Monitoring Description:

Pursuant to §63.1026(c)(4), percent leaking pumps shall be determined by the following equation:

$$\%PL = ((PL - PS)/(PT - PS)) \times 100$$

Where:

%PL = Percent leaking pumps

PL = Number of pumps found leaking as determined through monthly monitoring as required in paragraph (b)(1) of this section. Do not include results from inspection of unsafe-to-monitor pumps pursuant to paragraph (e)(6) of this section.

PS = Number of pumps leaking within 1 month of start-up during the current monitoring period.

PT = Total pumps in regulated material service, including those meeting the criteria in paragraphs 63.1026(e)(1), (e)(2), (e)(3), and (e)(6) of this section.

Pursuant to §63.1026(c)(2) if, calculated on a 6-month rolling average, at least the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak, the owner or operator shall implement a quality improvement program for pumps that complies with the requirements of §63.1035.

Pursuant to §63.1026(c)(2), the number of pumps at a process unit or affected facility shall be the sum of all the pumps in regulated material service, except that pumps found leaking in a continuous process unit or affected facility within 1 month after start-up of the pump shall not count in the percent leaking pumps calculation for that one monitoring period only.

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 10/30/2023.

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

Condition 156: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1026(b)(4), Subpart UU

Item 156.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. The owner or operator shall document that the inspection was conducted and the date of the inspection. If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in either 40 CFR63.1026(b)(4)(i) or 40 CFR63.1026(b)(4)(ii).

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 10/30/2023.

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

Condition 157: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1026(e), Subpart UU

Item 157.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 157.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) Dual mechanical seal pumps. Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (b) of this section, provided the requirements specified in paragraphs (e)(1)(i) through (e)(1)(viii) of this section are met.
 - (i) The owner or operator determines, based on design considerations and operating experience, criteria

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applicable to the presence and frequency of drips and to the sensor that indicates failure of the seal system, the barrier fluid system, or both. The owner or operator shall keep records at the plant of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes. This record must be available for review by an inspector.

(ii) Each dual mechanical seal system shall meet the requirements specified in paragraph (e)(1)(ii)(A), (e)(1)(ii)(B), or (e)(1)(ii)(C) of this section.

(A) Each dual mechanical seal system is operated with the barrier fluid at a pressure that is at all times (except periods of startup, shutdown, or malfunction) greater than the pump stuffing box pressure; or

(B) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of either §63.1034 or §63.1021(b) of this part; or

(C) Equipped with a closed-loop system that purges the barrier fluid into a process stream.

(iii) The barrier fluid is not in light liquid service.

(iv) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(v) Each pump is checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. The owner or operator shall document that the inspection was conducted and the date of the inspection. If there are indications of liquids dripping from the pump seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in paragraphs (e)(1)(v)(A) or (e)(1)(v)(B) of this section prior to the next required inspection.

(A) The owner or operator shall monitor the pump as specified in §63.1023(b) and, as applicable, §63.1023 (c), to determine if there is a leak of regulated material in the barrier fluid. If an instrument reading of 1,000 parts per million or greater is measured, a leak is detected and it shall be repaired using the procedures in §63.1024; or

(B) The owner or operator shall eliminate the visual indications of liquids dripping.

(vi) If indications of liquids dripping from the pump seal exceed the criteria established in paragraph (e)(1)(i) of this section, or if based on the criteria established in paragraph (e)(1)(i) of this section the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected.

(vii) Each sensor as described in paragraph (e)(1)(iv) of this section is observed daily or is equipped with an

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alarm unless the pump is located within the boundary of an unmanned plant site.

(viii) When a leak is detected pursuant to paragraph (e)(1)(vi) of this section, it shall be repaired as specified in §63.1024.

(2) No external shaft. Any pump that is designed with no externally actuated shaft penetrating the pump housing is exempt from the requirements of paragraph (b) of this section.

(3) Routed to a process or fuel gas system or equipped with a closed vent system. Any pump that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage from the pump to a control device meeting the requirements of §63.1034 of this part or §63.1021(b) is exempt from the requirements of paragraph (b) of this section.

(4) Unmanned plant site. Any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (b)(4) and (e)(1)(v) of this section, and the daily requirements of paragraph (e)(1)(vii) of this section, provided that each pump is visually inspected as often as practical and at least monthly.

(5) 90 percent exemption. If more than 90 percent of the pumps at a process unit or affected facility meet the criteria in either paragraph (e)(1) or (e)(2) of this section, the process unit or affected facility is exempt from the percent leaking calculation in paragraph (c) of this section.

(6) Unsafe-to-monitor pumps. Any pump that is designated, as described in §63.1022(c)(1), as an unsafe-to-monitor pump is exempt from the requirements of paragraph (b) of this section, the monitoring and inspection requirements of paragraphs (e)(1)(v) through (viii) of this section, and the owner or operator shall monitor and inspect the pump according to the written plan specified in §63.1022(c)(4).

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 10/30/2023.

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

Condition 158: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1027(b), Subpart UU

Item 158.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
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Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The connectors shall be monitored to detect leaks by the method specified in §63.1023(b) and, as applicable, §63.1023(c). If an instrument reading greater than or equal to 500 parts per million is measured, a leak is detected. The required period in which monitoring must be conducted shall be determined from paragraphs (b)(3)(i) through (b)(3)(iii) of this section using the monitoring results from the preceding monitoring period. Pursuant to §63.1027(c), the percent leaking connectors shall be calculated by the following equation:

$$\%CL = CL/Ct \times 100$$

Where:

%CL = Percent leaking connectors as determined through periodic monitoring required in paragraphs (a) and (b)(3)(i) through (b)(3)(iii) of this section.

CL = Number of connectors measured at 500 parts per million or greater, by the method specified in §63.1023(b).

Ct = Total number of monitored connectors in the process unit or affected facility.

If the percent leaking connectors in the process unit was greater than or equal to 0.5 percent, then monitor within 12 months (1 year). If the percent leaking connectors in the process unit was greater than or equal to 0.25 percent but less than 0.5 percent, then monitor within 4 years. An owner or operator may comply with the requirements of this paragraph by monitoring at least 40 percent of the connectors within 2 years of the start of the monitoring period, provided all connectors have been monitored by the end of the 4 year monitoring period. If the percent leaking connectors in the process unit was less than 0.25 percent, then monitor as provided in paragraph (b)(3)(iii)(A) of this section and either paragraph (b)(3)(iii)(B) or (b)(3)(iii)(C) of this section, as appropriate. If, during the monitoring conducted pursuant to paragraph (b)(3)(i) through (b)(3)(iii) of this

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section, a connector is found to be leaking, it shall be re-monitored once within 90 days after repair to confirm that it is not leaking.

The owner or operator shall keep a record of the start date and end date of each monitoring period under this section for each process unit.

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 10/30/2023.

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

Condition 159: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1027(e)(1), Subpart UU

Item 159.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any connector that is designated, as described in §63.1022(c)(1), as an unsafe-to-monitor connector is exempt from the requirements of paragraphs (a) and (b) of this section and the owner or operator shall monitor according to the written plan specified in §63.1022(c)(4).

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 10/30/2023.

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

Condition 160: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1027(e)(2), Subpart UU

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Item 160.1:

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 160.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any connector that is inaccessible or that is ceramic or ceramic-lined (e.g., porcelain, glass, or glass-lined), is exempt from the monitoring requirements of paragraphs (a) and (b) of this section, from the leak repair requirements of paragraph (d) of this section, and from the recordkeeping and reporting requirements of §§63.1038 and 63.1039. An inaccessible connector is one that meets any of the provisions specified in paragraphs (e)(2)(i)(A) through (e)(2)(i)(F) of this section, as applicable. If any inaccessible, ceramic or ceramic-lined connector is observed by visual, audible, olfactory, or other means to be leaking, the visual, audible, olfactory, or other indications of a leak to the atmosphere shall be eliminated as soon as practical.

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 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 161: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1028, Subpart UU

Item 161.1:

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

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Facility DEC ID: 5415400002

Item 161.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.1028(e)

(1) Dual mechanical seal. Each agitator equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (c) of this section, provided the requirements specified in paragraphs (e)(1)(i) through (e)(1)(vi) of this section are met.

(i) Each dual mechanical seal system shall meet the applicable requirements specified in paragraphs (e)(1)(i)(A), (e)(1)(i)(B), or (e)(1)(i)(C) of this section.

(A) Operated with the barrier fluid at a pressure that is at all times (except during periods of startup, shutdown, or malfunction) greater than the agitator stuffing box pressure; or

(B) Equipped with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that meets the requirements of either §63.1034 or §63.1021(b); or

(C) Equipped with a closed-loop system that purges the barrier fluid into a process stream.

(ii) The barrier fluid is not in light liquid service.

(iii) Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.

(iv) Each agitator seal is checked by visual inspection each calendar week for indications of liquids dripping from the agitator seal. If there are indications of liquids dripping from the agitator seal at the time of the weekly inspection, the owner or operator shall follow the procedure specified in paragraphs (e)(1)(iv)(A) or (e)(1)(iv)(B) of this section prior to the next required inspection.

(A) The owner or operator shall monitor the agitator seal as specified in §63.1023(b) and, as applicable, §63.1023(c), to determine the presence of regulated material in the barrier fluid. If an instrument reading equivalent to or greater than 10,000 ppm is measured, a leak is detected and it shall be repaired using the procedures in §63.1024, or

(B) The owner or operator shall eliminate the visual indications of liquids dripping.

(v) Each sensor as described in paragraph (e)(1)(iii) of this section is observed daily or is equipped with an

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alarm unless the agitator seal is located within the boundary of an unmanned plant site.

(vi) The owner or operator of each dual mechanical seal system shall meet the requirements specified in paragraphs (e)(1)(vi)(A) and (e)(1)(vi)(B).

(A) The owner or operator shall determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both and applicable to the presence and frequency of drips. If indications of liquids dripping from the agitator seal exceed the criteria, or if, based on the criteria the sensor indicates failure of the seal system, the barrier fluid system, or both, a leak is detected and shall be repaired pursuant to §63.1024, as applicable.

(B) The owner or operator shall keep records of the design criteria and an explanation of the design criteria; and any changes to these criteria and the reasons for the changes.

(2) No external shaft. Any agitator that is designed with no externally actuated shaft penetrating the agitator housing is exempt from paragraph (c) of this section.

(3) Routed to a process or fuel gas system or equipped with a closed vent system. Any agitator that is routed to a process or fuel gas system that captures and transports leakage from the agitator to a control device meeting the requirements of either §63.1034 or §63.1021(b) is exempt from the requirements of paragraph (c) of this section.

(4) Unmanned plant site. Any agitator that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of paragraphs (c)(3) and (e)(1)(iv) of this section, and the daily requirements of paragraph (e)(1)(v) of this section, provided that each agitator is visually inspected as often as practical and at least monthly.

(5) Difficult-to-monitor agitator seals. Any agitator seal that is designated, as described in §63.1022(c)(2), as a difficult-to-monitor agitator seal is exempt from the requirements of paragraph (c) of this section and the owner or operator shall monitor the agitator seal according to the written plan specified in §63.1022(c)(4).

(6) Equipment obstructions. Any agitator seal that is obstructed by equipment or piping that prevents access to the agitator by a monitor probe is exempt from the monitoring requirements of paragraph (c) of this section.

(7) Unsafe-to-monitor agitator seals. Any agitator seal that is designated, as described in §63.1022(c)(1), as an unsafe-to-monitor agitator seal is exempt from the requirements of paragraph (c) of this section and the

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owner or operator of the agitator seal monitors the agitator seal according to the written plan specified in §63.1022(c)(4).

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 10/30/2023.

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

Condition 162: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1028, Subpart UU

Item 162.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40 CFR 63.1028(c)

(1) Monitoring method. Each agitator seal shall be monitored monthly to detect leaks by the methods specified in §63.1023(b) and, as applicable, §63.1023(c), except as provided in §63.1021(b), §63.1036, §63.1037, or paragraph (e) of this section.

(2) Instrument reading that defines a leak. If an instrument reading equivalent of 10,000 parts per million or greater is measured, a leak is detected.

(3) Visual inspection. (i) Each agitator seal shall be checked by visual inspection each calendar week for indications of liquids dripping from the agitator seal. The owner or operator shall document that the inspection was conducted and the date of the inspection.

(ii) If there are indications of liquids dripping from the agitator seal, the owner or operator shall follow the procedures specified in paragraphs (c)(3)(ii)(A) or (c)(3)(ii)(B) of this section prior to the next required inspection.

(A) The owner or operator shall monitor the agitator seal

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as specified in §63.1023(b) and, as applicable, §63.1023(c), to determine if there is a leak of regulated material. If an instrument reading of 10,000 parts per million or greater is measured, a leak is detected, and it shall be repaired according to paragraph (d) of this section; or

(B) The owner or operator shall eliminate the indications of liquids dripping from the agitator seal.

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 10/30/2023.

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

Condition 163: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1029, Subpart UU

Item 163.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Monitoring method. Unless otherwise specified in §63.1021(b), §63.1036, or §63.1037, the owner or operator shall comply with paragraphs (b)(1) and (b)(2) of this section. Pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in light liquid or heavy liquid service; and instrumentation systems shall be monitored within 5 calendar days by the method specified in §63.1023(b) and, as applicable, §63.1023(c), if evidence of a potential leak to the atmosphere is found by visual, audible, olfactory, or any other detection method, unless the potential leak is repaired as required in paragraph (c) of this section.

(2) Instrument reading that defines a leak. If an instrument reading of 10,000 parts per million or greater for agitators, 5,000 parts per million or greater for pumps handling polymerizing monomers, 2,000 parts per

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million or greater for pumps in food and medical service, or 2,000 parts per million or greater for all other pumps (including pumps in food/medical service), or 500 parts per million or greater for valves, connectors, instrumentation systems, and pressure relief devices is measured pursuant to paragraph (b)(1) of this section, a leak is detected and shall be repaired pursuant to §63.1024, as applicable.

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 10/30/2023.

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

Condition 164: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1031(f), Subpart UU

Item 164.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any compressor that is designated, as described in §63.1022(e), as operating with an instrument reading of less than 500 parts per million above background shall operate at all times with an instrument reading of less than 500 parts per million. A compressor so designated is exempt from the requirements of paragraphs (b) through (d) of this section if the compressor is demonstrated, initially upon designation, annually, and at other times requested by the Administrator to be operating with an instrument reading of less than 500 parts per million above background, as measured by the method specified in §63.1023(b) and, as applicable, §63.1023(c). The owner or operator shall record the dates and results of each compliance test including the background level measured and the maximum instrument reading measured during each compliance test.

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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 10/30/2023.

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

Condition 165: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1032, Subpart UU

Item 165.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 165.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed vent system, except as provided in §§63.1021(b), 63.1036, 63.1037, or paragraph (d) of this section. Gases displaced during filling of the sample container are not required to be collected or captured. Each closed-purge, closed-loop, or closed vent system shall:

- 1) return the purged process fluid directly to a process line or to a fuel gas system that meets the requirements of either §63.1034 or §63.1021(b); or
- 2) be designed and operated to capture and transport all the purged process fluid to a control device that meets the requirements of either §63.1034 or §63.1021(b); or
- 2) collect, store, and transport the purged process fluid to a system or facility identified in paragraph (c)(4)(i), (c)(4)(ii), or (c)(4)(iii) of this section.

Containers that are part of a closed purge system must be covered or closed when not being filled or emptied.

In-situ sampling systems and sampling systems without purges are exempt from the requirements of paragraphs (b) and (c) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 166: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.1033, Subpart UU

Item 166.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 166.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §§63.1021(b), 63.1036, 63.1037, and paragraphs (c) and (d) of this section. The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance. The operational provisions of paragraphs (b)(2) and (b)(3) of this section also apply.

(2) Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

(3) When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (b)(1) of this section at all other times.

Open-ended valves or lines in an emergency shutdown system that are designed to open automatically in the event of a process upset are exempt from the requirements of paragraph (b) of this section.

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Open-ended valves or lines containing materials that would autocatalytically polymerize or, would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in paragraph (b) of this section are exempt from the requirements of paragraph (b) of this section.

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 10/30/2023.

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

Condition 167: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1035, Subpart UU

Item 167.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 167.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Criteria. If, on a 6-month rolling average, at least the greater of either 10 percent of the pumps in a process unit or affected facility (or plant site) or three pumps in a process unit or affected facility (or plant site) leak, the owner or operator shall comply with the requirements specified in paragraphs (a)(1) and (a)(2) of this section.

(1) Pumps that are in food and medical service or in polymerizing monomer service shall comply with all requirements except for those specified in paragraph (d)(8) of this section.

(2) Pumps that are not in food and medical or polymerizing monomer service shall comply with all of the requirements of this section.

(b) Exiting the QIP. The owner or operator shall comply with the requirements of this section until the number of leaking pumps is less than the greater of either 10 percent of the pumps or three pumps, calculated as a

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6-month rolling average, in the process unit or affected facility (or plant site). Once the performance level is achieved, the owner or operator shall comply with the requirements in §63.1026.

(c) Resumption of QIP. If, in a subsequent monitoring period, the process unit or affected facility (or plant site) has greater than either 10 percent of the pumps leaking or three pumps leaking (calculated as a 6-month rolling average), the owner or operator shall resume the quality improvement program starting at performance trials.

(d) QIP requirements. The quality improvement program shall meet the requirements specified in paragraphs (d)(1) through (d)(8) of this section.

(e) QIP recordkeeping. In addition to the records required by paragraph (d)(2) of this section, the owner or operator shall maintain records for the period of the quality improvement program for the process unit or affected facility as specified in paragraphs (e)(1) through (e)(6) of this section.

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 10/30/2023.

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

Condition 168: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1036, Subpart UU

Item 168.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

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Item 168.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) General requirement. As an alternative to complying with the requirements of §§63.1025 through 63.1033 and §63.1035, an owner or operator of a batch process that operates in regulated material service during the calendar

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year may comply with one of the standards specified in paragraphs (b) and (c) of this section, or the owner or operator may petition for approval of an alternative standard under the provisions of §63.1021(b). The alternative standards of this section provide the options of pressure testing or monitoring the equipment for leaks. The owner or operator may switch among the alternatives provided the change is documented as specified in paragraph (b)(7) of this section.

(b) Pressure testing of the batch equipment. The following requirements shall be met if an owner or operator elects to use pressure testing of batch product-process equipment to demonstrate compliance with this subpart.

(1) Reconfiguration. Each time equipment is reconfigured for production of a different product or intermediate, the batch product-process equipment train shall be pressure-tested for leaks before regulated material is first fed to the equipment and the equipment is placed in regulated material service.

(i) When the batch product-process equipment train is reconfigured to produce a different product, pressure testing is required only for the new or disturbed equipment.

(ii) Each batch product process that operates in regulated material service during a calendar year shall be pressure-tested at least once during that calendar year.

(iii) Pressure testing is not required for routine seal breaks, such as changing hoses or filters, that are not part of the reconfiguration to produce a different product or intermediate.

(2) Testing procedures. The batch product process equipment shall be tested either using the procedures specified in paragraph (b)(5) of this section for pressure vacuum loss or with a liquid using the procedures specified in paragraph (b)(6) of this section.

(3) Leak detection. (i) For pressure or vacuum tests using a gas, a leak is detected if the rate of change in pressure is greater than 6.9 kilopascals (1 pound per square inch gauge) in 1 hour or if there is visible, audible, or olfactory evidence of fluid loss.

(ii) For pressure tests using a liquid, a leak is detected if there are indications of liquids dripping or if there is other evidence of fluid loss.

(4) Leak repair. (i) If a leak is detected, it shall be repaired and the batch product-process equipment shall be retested before start-up of the process.

(ii) If a batch product-process fails the retest (the second of two consecutive pressure tests), it shall be repaired as soon as practical, but not later than 30 calendar days after the second pressure test except as specified in paragraph (e) of this section.

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(5) Gas pressure test procedure for pressure or vacuum loss. The procedures specified in paragraphs (b)(5)(i) through (b)(5)(v) of this section shall be used to pressure test batch product-process equipment for pressure or vacuum loss to demonstrate compliance with the requirements of paragraph (b)(3)(i) of this section.

(i) The batch product-process equipment train shall be pressurized with a gas to a pressure less than the set pressure of any safety relief devices or valves or to a pressure slightly above the operating pressure of the equipment, or alternatively the equipment shall be placed under a vacuum.

(ii) Once the test pressure is obtained, the gas source or vacuum source shall be shut off.

(iii) The test shall continue for not less than 15 minutes unless it can be determined in a shorter period of time that the allowable rate of pressure drop or of pressure rise was exceeded. The pressure in the batch product-process equipment shall be measured after the gas or vacuum source is shut off and at the end of the test period. The rate of change in pressure in the batch product-process equipment shall be calculated using the following equation:

$$\Delta (P/t) = (I P_f - P_i I) / (t_f - t_i) \text{ [Eq. 5]}$$

Where:

$\Delta (P/t)$ = Change in pressure, pounds per square inch gauge per hour.

P_f = Final pressure, pounds per square inch gauge.

P_i = Initial pressure, pounds per square inch gauge.

$t_f - t_i$ = Elapsed time, hours.

(iv) The pressure shall be measured using a pressure measurement device (gauge, manometer, or equivalent) that has a precision of ± 2.5 millimeter mercury (0.10 inch of mercury) in the range of test pressure and is capable of measuring pressures up to the relief set pressure of the pressure relief device. If such a pressure measurement device is not reasonably available, the owner or operator shall use a pressure measurement device with a precision of at least ± 10 percent of the test pressure of the equipment and shall extend the duration of the test for the time necessary to detect a pressure loss or rise that equals a rate of 1 pound per square inch gauge per hour (7 kilopascals per hour).

(v) An alternative procedure may be used for leak testing the equipment if the owner or operator demonstrates the alternative procedure is capable of detecting a pressure loss or rise.

(6) Pressure test procedure using test liquid. The procedures specified in paragraphs (b)(6)(i) through

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(b)(6)(iv) of this section shall be used to pressure-test batch product-process equipment using a liquid to demonstrate compliance with the requirements of paragraph (b)(3)(ii) of this section.

(i) The batch product-process equipment train, or section of the equipment train, shall be filled with the test liquid (e.g., water, alcohol) until normal operating pressure is obtained. Once the equipment is filled, the liquid source shall be shut off.

(ii) The test shall be conducted for a period of at least 60 minutes, unless it can be determined in a shorter period of time that the test is a failure.

(iii) Each seal in the equipment being tested shall be inspected for indications of liquid dripping or other indications of fluid loss. If there are any indications of liquids dripping or of fluid loss, a leak is detected.

(iv) An alternative procedure may be used for leak testing the equipment, if the owner or operator demonstrates the alternative procedure is capable of detecting losses of fluid.

(7) Pressure testing recordkeeping. The owner or operator of a batch product process who elects to pressure test the batch product process equipment train to demonstrate compliance with this subpart shall maintain records of the information specified in paragraphs (b)(7)(i) through (b)(7)(v) of this section.

(i) The identification of each product, or product code, produced during the calendar year. It is not necessary to identify individual items of equipment in a batch product process equipment train.

(ii) Physical tagging of the equipment to identify that it is in regulated material service and subject to the provisions of this subpart is not required. Equipment in a batch product process subject to the provisions of this subpart may be identified on a plant site plan, in log entries, or by other appropriate methods.

(iii) The dates of each pressure test required in paragraph (b) of this section, the test pressure, and the pressure drop observed during the test.

(iv) Records of any visible, audible, or olfactory evidence of fluid loss.

(v) When a batch product process equipment train does not pass two consecutive pressure tests, the information specified in paragraphs (b)(7)(v)(A) through (b)(7)(v)(E) of this section shall be recorded in a log and kept for 2 years:

(A) The date of each pressure test and the date of each leak repair attempt.

(B) Repair methods applied in each attempt to repair the leak.

(C) The reason for the delay of repair.

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- (D) The expected date for delivery of the replacement equipment and the actual date of delivery of the replacement equipment; and
- (E) The date of successful repair.
- (c) Equipment monitoring. The following requirements shall be met if an owner or operator elects to monitor the equipment in a batch process to detect leaks by the method specified in §63.1023(b) and, as applicable, §63.1023(c), to demonstrate compliance with this subpart.
- (1) The owner or operator shall comply with the requirements of §§63.1025 through 63.1035 as modified by paragraphs (c)(2) through (c)(4) of this section.
- (2) The equipment shall be monitored for leaks by the method specified in §63.1023(b) and, as applicable, §63.1023(c), when the equipment is in regulated material service or is in use with any other detectable material.
- (3) The equipment shall be monitored for leaks as specified in paragraphs (c)(3)(i) through (c)(3)(iv) of this section.
- (i) Each time the equipment is reconfigured for the production of a new product, the reconfigured equipment shall be monitored for leaks within 30 days of start-up of the process. This initial monitoring of reconfigured equipment shall not be included in determining percent leaking equipment in the process unit or affected facility.
- (ii) Connectors shall be monitored in accordance with the requirements in §63.1027.
- (iii) Equipment other than connectors shall be monitored at the frequencies specified in table 1 to this subpart. The operating time shall be determined as the proportion of the year the batch product-process that is subject to the provisions of this subpart is operating.
- (iv) The monitoring frequencies specified in paragraph (c)(3)(iii) of this section are not requirements for monitoring at specific intervals and can be adjusted to accommodate process operations. An owner or operator may monitor anytime during the specified monitoring period (e.g., month, quarter, year), provided the monitoring is conducted at a reasonable interval after completion of the last monitoring campaign. For example, if the equipment is not operating during the scheduled monitoring period, the monitoring can be done during the next period when the process is operating.
- (4) If a leak is detected, it shall be repaired as soon as practical but not later than 15 calendar days after it is detected, except as provided in paragraph (e) of this section.
- (d) Added equipment recordkeeping. (1) For batch product-process units or affected facilities that the owner or operator elects to monitor as provided under

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paragraph (c) of this section, the owner or operator shall prepare a list of equipment added to batch product process units or affected facilities since the last monitoring period required in paragraphs (c)(3)(ii) and (c)(3)(iii) of this section.

(2) Maintain records demonstrating the proportion of the time during the calendar year the equipment is in use in a batch process that is subject to the provisions of this subpart. Examples of suitable documentation are records of time in use for individual pieces of equipment or average time in use for the process unit or affected facility.

These records are not required if the owner or operator does not adjust monitoring frequency by the time in use, as provided in paragraph (c)(3)(iii) of this section.

(3) Record and keep pursuant to the referencing subpart and this subpart, the date and results of the monitoring required in paragraph (c)(3)(i) of this section for equipment added to a batch product-process unit or affected facility since the last monitoring period required in paragraphs (c)(3)(ii) and (c)(3)(iii) of this section. If no leaking equipment is found during this monitoring, the owner or operator shall record that the inspection was performed. Records of the actual monitoring results are not required.

(e) Delay of repair. Delay of repair of equipment for which leaks have been detected is allowed if the replacement equipment is not available providing the conditions specified in paragraphs (e)(1) and (e)(2) of this section are met.

(1) Equipment supplies have been depleted and supplies had been sufficiently stocked before the supplies were depleted.

(2) The repair is made no later than 10 calendar days after delivery of the replacement equipment.

(f) Periodic report contents. For owners or operators electing to meet the requirements of paragraph (b) of this section, the Periodic Report to be filed pursuant to §63.1039(b) shall include the information listed in paragraphs (f)(1) through (f)(4) of this section for each process unit.

(1) Batch product process equipment train identification;

(2) The number of pressure tests conducted;

(3) The number of pressure tests where the equipment train failed the pressure test; and (4) The facts that explain any delay of repairs.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 169: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1038(b), Subpart UU

Item 169.1:

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

Emission Unit: E-LISTS
 Process: L03

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 169.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records shall be kept for each process unit subject to Subpart UU:

- 1) General and specific equipment identification if the equipment is not physically tagged and the owner or operator is electing to identify the equipment subject to this subpart through written documentation such as a log or other designation.
- 2) A written plan as specified in §63.1022(c)(4) for any equipment that is designated as unsafe- or difficult-to-monitor.
- 3) A record of the identity and an explanation as specified in §63.1022(d)(2) for any equipment that is designated as unsafe-to-repair.
- 4) The identity of compressors operating with an instrument reading of less than 500 parts per million.
- 5) Records associated with the determination that equipment is in heavy liquid service as specified in §63.1022(f).
- 6) Records for leaking equipment as specified in §63.1023(e)(2).
- 7) Records for leak repair as specified in §63.1024(f) and records for delay of repair as specified in §63.1024(d).

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 10/30/2023.

Permit ID: 5-4154-00002/01743

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

Condition 170: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028**Applicable Federal Requirement: 40CFR 63.1038(c), Subpart UU****Item 170.1:**

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

Emission Unit: E-LISTS
Process: L03

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 170.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records shall be kept for specific equipment leaks:

- (1) For valves, the owner or operator shall maintain the records specified in paragraphs (c)(1)(i) and (c)(1)(ii) of this section.
 - (i) The monitoring schedule for each process unit as specified in §63.1025(b)(3)(vi).
 - (ii) The valve subgrouping records specified in §63.1025(b)(4)(iv), if applicable.
- (2) For pumps, the owner or operator shall maintain the records specified in paragraphs (c)(2)(i) through (c)(2)(iii) of this section.
 - (i) Documentation of pump visual inspections as specified in §63.1026(b)(4).
 - (ii) Documentation of dual mechanical seal pump visual inspections as specified in §63.1026(e)(1)(v).
 - (iii) For the criteria as to the presence and frequency of drips for dual mechanical seal pumps, records of the design criteria and explanations and any changes and the reason for the changes, as specified in §63.1026(e)(1)(i).
- (3) For connectors, the owner or operator shall maintain the monitoring schedule for each process unit as specified in §63.1027(b)(3)(v).
- (4) For agitators, the owner or operator shall maintain the following records:
 - (i) Documentation of agitator seal visual inspections as specified in §63.1028; and
 - (ii) For the criteria as to the presence and frequency of drips for agitators, the owner or operator shall keep

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- records of the design criteria and explanations and any changes and the reason for the changes, as specified in §63.1028(e)(1)(vi).
- (5) For pressure relief devices in gas and vapor or light liquid service, the owner or operator shall keep records of the dates and results of monitoring following a pressure release, as specified in §63.1030(c)(3).
- (6) For compressors, the owner or operator shall maintain the records specified in paragraphs (c)(6)(i) and (c)(6)(ii) of this section.
- (i) For criteria as to failure of the seal system and/or the barrier fluid system, record the design criteria and explanations and any changes and the reason for the changes, as specified in §63.1031(d)(2).
- (ii) For compressors operating under the alternative compressor standard, record the dates and results of each compliance test as specified in §63.1031(f)(2).
- (7) For a pump QIP program, the owner or operator shall maintain the records specified in paragraphs (c)(7)(i) through (c)(7)(v) of this section.
- (i) Individual pump records as specified in §63.1035(d)(2).
- (ii) Trial evaluation program documentation as specified in §63.1035(d)(6)(iii).
- (iii) Engineering evaluation documenting the basis for judgement that superior emission performance technology is not applicable as specified in §63.1035(d)(6)(vi).
- (iv) Quality assurance program documentation as specified in §63.1035(d)(7).
- (v) QIP records as specified in §63.1035(e).
- (8) For process units complying with the batch process unit alternative, the owner or operator shall maintain the records specified in paragraphs (c)(8)(i) and (c)(8)(ii) of this section.
- (i) Pressure test records as specified in §63.1036(b)(7).
- (ii) Records for equipment added to the process unit as specified in §63.1036(d).
- (9) For process units complying with the enclosed-vented process unit alternative, the owner or operator shall maintain the records for enclosed-vented process units as specified in §63.1037(b).

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 10/30/2023.

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

Condition 171: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Applicable Federal Requirement: 40CFR 63.1039(a), Subpart UU**Item 171.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 171.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator shall submit an Initial Compliance Status Report according to the procedures in the referencing subpart. The notification shall include the following:

1) The notification shall provide the information listed in paragraphs (a)(1)(i) through (a)(1)(iv) of this section for each process unit or affected facility subject to the requirements of this subpart.

(i) Process unit or affected facility identification.

(ii) Number of each equipment type (e.g., valves, pumps) excluding equipment in vacuum service.

(iii) Method of compliance with the standard (e.g., "monthly leak detection and repair" or "equipped with dual mechanical seals").

(iv) Planned schedule for requirements in §§63.1025 and 63.1026.

2) The notification shall provide the information listed in paragraphs (a)(2)(i) and (a)(2)(ii) of this section for each process unit or affected facility subject to the requirements of §63.1036(b).

(i) Batch products or product codes subject to the provisions of this subpart, and

(ii) Planned schedule for pressure testing when equipment is configured for production of products subject to the provisions of this subpart.

3) The notification shall provide the information listed in paragraphs (a)(3)(i) and (a)(3)(ii) of this section for each process unit or affected facility subject to the requirements in §63.1037.

(i) Process unit or affected facility identification.

(ii) A description of the system used to create a negative pressure in the enclosure and the control device used to

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comply with the requirements of §63.1034 of this part.

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 10/30/2023.

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

Condition 172: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1039(b), Subpart UU

Item 172.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L03

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 172.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall report the following information in a Periodic Report specified in the referencing subpart:

1) For the equipment specified in paragraphs (b)(1)(i) through (b)(1)(v) of this section, report in a summary format by equipment type, the number of components for which leaks were detected and for valves, pumps and connectors show the percent leakers, and the total number of components monitored. Also include the number of leaking components that were not repaired as required by §63.1024, and for valves and connectors, identify the number of components that are determined by §63.1025(c)(3) to be nonrepairable.

(i) Valves in gas and vapor service and in light liquid service pursuant to §63.1025(b) and (c).

(ii) Pumps in light liquid service pursuant to §63.1026(b) and (c).

(iii) Connectors in gas and vapor service and in light liquid service pursuant to §63.1027(b) and (c).

(iv) Agitators in gas and vapor service and in light liquid service pursuant to §63.1028(c).

(v) Compressors pursuant to §63.1031(d).

2) Where any delay of repair is utilized pursuant to

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- §63.1024(d), report that delay of repair has occurred and report the number of instances of delay of repair.
- 3) If applicable, report the valve subgrouping information specified in §63.1025(b)(4)(iv).
- 4) For pressure relief devices in gas and vapor service pursuant to §63.1030(b) and for compressors pursuant to §63.1031(f) that are to be operated at a leak detection instrument reading of less than 500 parts per million, report the results of all monitoring to show compliance conducted within the semiannual reporting period.
- 5) Report, if applicable, the initiation of a monthly monitoring program for valves pursuant to §63.1025(b)(3)(i).
- 6) Report, if applicable, the initiation of a quality improvement program for pumps pursuant to §63.1035.
- 7) Where the alternative means of emissions limitation for batch processes is utilized, report the information listed in §63.1036(f).
- 8) Report the information listed in paragraph (a) of this section for the Initial Compliance Status Report for process units or affected facilities with later compliance dates. Report any revisions to items reported in an earlier Initial Compliance Status Report if the method of compliance has changed since the last report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 173: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 173.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: H-OFURN	
Process: 418	Emission Source: 21HOF

Emission Unit: H-OFURN	
Process: 418	Emission Source: 35HOF

Emission Unit: U-28002	
Process: 408	Emission Source: BLR13

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Emission Unit: U-28002
Process: 410

Emission Source: BLR18

Emission Unit: U-28003
Process: 415

Emission Source: BLR14

Emission Unit: U-28003
Process: 417

Emission Source: BLR16

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers or process heaters with heat input capacity of 10 mmBTU/hr or greater must conduct an annual tune-up of the boiler or process heater to demonstrate compliance as specified in paragraphs (a)(10)(i-iv).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 174: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 174.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: H-OFURN
Process: 418

Emission Source: 85HOF

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 174.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers or process heaters with heat input capacity of less than 5 mmBTU/hr designated to burn gas must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i-iv).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 12 calendar month(s).

Condition 176: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.7550(b), Subpart DDDDD

Item 176.1:

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

Emission Unit: H-OFURN Process: 418	Emission Source: 21HOF
Emission Unit: H-OFURN Process: 418	Emission Source: 35HOF
Emission Unit: H-OFURN Process: 418	Emission Source: 85HOF
Emission Unit: U-28002 Process: 408	Emission Source: BLR13
Emission Unit: U-28002 Process: 410	Emission Source: BLR18
Emission Unit: U-28003 Process: 415	Emission Source: BLR14
Emission Unit: U-28003 Process: 417	Emission Source: BLR16
Regulated Contaminant(s): CAS No: 0NY100-00-0	TOTAL HAP

Item 176.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For units that only require an annual or biennial tune-up and are not subject to an emission limit, annual compliance reports are required rather than semiannual reports. Reports for this facility must include the information in items (i-iv & xiv) of 63.7550(c)(5) per 63.7550(c)(i). The facility must maintain the following information in 63.7540(a)(10)(vi)(A, B & C) on site per 63.7540(a)(10)(vi).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 12 calendar month(s).

Condition 177: General compliance requirements
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(a), Subpart FFFF

Item 177.1:

Except as specified in 40 CFR 63.2450(a)(2), the facility must be in compliance with the emission limits and work practice standards in Tables 1 through 7 to subpart FFFF at all times, except during periods of startup, shutdown, and malfunction (SSM), and must meet the requirements specified in 40 CFR 63.2455 through 63.2490 (or the alternative means of compliance in 40 CFR 63.2495, 40 CFR 63.2500, or 40 CFR 63.2505), except as specified in 40 CFR 63.2450(b) through (s). The facility must meet the notification, reporting, and recordkeeping requirements specified in 40 CFR 63.2515, 40 CFR 63.2520, and 40 CFR 63.2525.

Beginning no later than the compliance dates specified in 40 CFR 63.2445(g), 40 CFR 63.2450(a)(1) no longer applies. Instead, the facility must be in compliance with the emission limits and work practice standards in Tables 1 through 7 to subpart FFFF, and the facility must meet the requirements specified in 40 CFR 63.2455 through 63.2490 (or the alternative means of compliance in 40 CFR 63.2495, 40 CFR 63.2500, or 40 CFR 63.2505), except as specified in 40 CFR 63.2450(b) through (v). The facility must meet the notification, reporting, and recordkeeping requirements specified in 40 CFR 63.2515, 40 CFR 63.2520, and 40 CFR 63.2525.

Condition 178: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(b), Subpart FFFF

Item 178.1:

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

Emission Unit: C-27018	
Process: MN1	Emission Source: MCPU1
Emission Unit: C-27035	
Process: MN2	Emission Source: MCPU2
Emission Unit: F-INISH	
Process: MN3	Emission Source: MCPU3

Item 178.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

For each MCPU that is subject to the 40 CFR Part 63, Subpart FFFF, halogenated vent streams, as defined in §63.2550, must be identified by calculating the mass emission rate of halogen atoms in accordance with §63.115(d)(2)(v). Alternatively, the emission streams may be designated as halogenated.

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 10/30/2023.

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

Condition 179: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2450(e), Subpart FFFF

Item 179.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: 023

Emission Source: 97OXI

Emission Unit: C-27018
 Process: 024

Emission Source: 97OXI

Emission Unit: C-27018
 Process: 025

Emission Source: 97OXI

Emission Unit: C-27018
 Process: 026

Emission Source: 97OXI

Emission Unit: C-27018
 Process: 083

Emission Source: 97OXI

Emission Unit: C-27018
 Process: 715

Emission Source: 97OXI

Regulated Contaminant(s):

CAS No: 000107-46-0	HEXAMETHYLDISILOXANE
CAS No: 000541-02-6	DECAMETHYLCYCLOPENTASILOXANE
CAS No: 000556-67-2	OCTAMETHYLCYCLOTETRA SILOXANE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY100-00-0	TOTAL HAP

Item 179.2:

Compliance Certification shall include the following monitoring:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

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

Monitoring Description:

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process shall be reduced by equal to or greater than 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The facility shall be in compliance with this emission limit at all times.

The facility shall establish operating limits under the conditions required for the initial compliance demonstration, except the facility may elect to establish operating limit(s) for conditions other than those under which a performance test was conducted as specified in §63.2460(c)(3)(i), if applicable, and(c)(3)(ii).

To assure compliance with the emission limit, Group 1 batch process vents in these processes shall be vented to the Thermal Oxidizer (97OXI). The thermal oxidizer shall operate at a minimum daily average temperature of 1480 degrees F, until/unless a new operating limit is established.

The temperature monitoring device shall be installed in the fire box or in the ductwork immediately downstream of the fire box in a position before any substantial heat exchange occurs. Temperature monitoring device means a unit of equipment used to monitor temperature and having a minimum accuracy of ± 1 percent of the temperature being monitored expressed in degrees Celsius or ± 1.2 degrees Celsius ($^{\circ}\text{C}$), whichever is greater.

The continuous parameter monitoring system (CPMS) provisions in §63.2450(k)(1) through (8) apply in addition to the requirements in 63 Subpart SS. All CPMSs shall be installed and operational, and the data verified as specified in this subpart either prior to or in conjunction with conducting performance tests. Records shall be maintained in accordance with §63.998 and §63.2525.

The compliance report must contain the information on deviations, as defined in §63.2550, according §63.2520(e)(5)(i), (ii), (iii), and (iv).

This monitoring requirement also applies to Group 1 (PR 715, 023 - 026) and Group 2 (PR 083) batch process vents to assure compliance with 6 NYCRR 212-3.1(c)(4)(i) -VOC RACT. In addition, this monitoring condition assures

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

compliance with 6 NYCRR 212-2.3(b), Table 4. for Siloxane (non-VOC organic) emissions from Processes 023 - 026. Siloxanes have been given an Environmental Rating of “B” and demonstrated to have an emission rate potential (ERP) greater than or equal to 10 - 25 pounds per hour which requires 90% control.

Parameter Monitored: TEMPERATURE
 Lower Permit Limit: 1480 degrees Fahrenheit
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 180: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2450(e), Subpart FFFF

Item 180.1:

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

Emission Unit: C-27035 Emission Point: 27035

Emission Unit: F-INISH Emission Point: 76006

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 180.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If a halogen reduction device is used to reduce hydrogen halide and halogen HAP emissions from halogenated vent streams, it must meet the requirements of §63.994 and the requirements referenced therein. If a halogen reduction device is used before a combustion device, the halogen atom emission rate prior to the combustion device must be determined according to the procedures in §63.115(d)(2)(v).

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 10/30/2023.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

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

Condition 181: Requirements for control devices
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(e)(1), Subpart FFFF

Item 181.1:

Except when complying with §63.2485, if the facility reduces organic HAP emissions by venting emissions through a closed-vent system to any combination of control devices (except a flare) or recovery devices, the facility must meet the requirements of §63.2450(e)(4), and the requirements of §63.982(c) and the requirements references therein.

Condition 182: General requirements for control devices
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(e)(4), Subpart FFFF

Item 182.1:

Beginning no later than the compliance dates specified in 40 CFR 63.2445(g), the referenced provisions specified in paragraphs (i) through (xvi) do not apply when demonstrating compliance with subpart SS.

(i) The phrase “Except for equipment needed for safety purposes such as pressure relief devices, low leg drains, high point bleeds, analyzer vents, and open-ended valves or lines” in 40 CFR 63.983(a)(3) of subpart SS.

(ii) The second sentence of 40 CFR 63.983(a)(5) of subpart SS.

(iii) The phrase “except during periods of start-up, shutdown and malfunction as specified in the referencing subpart” in 40 CFR 63.984(a) of subpart SS.

(iv) The phrase “except during periods of start-up, shutdown, and malfunction as specified in the referencing subpart” in 40 CFR 63.985(a) of subpart SS.

(v) The phrase “other than start-ups, shutdowns, or malfunctions” in 40 CFR 63.994(c)(1)(ii)(D) of subpart SS.

(vi) 40 CFR 63.996(c)(2)(ii) of subpart SS.

(vii) The last sentence of 40 CFR 63.997(e)(1)(i) of subpart SS.

(viii) 40 CFR 63.998(b)(2)(iii) of subpart SS.

(ix) The phrase “other than start-ups, shutdowns or malfunctions” in 40 CFR 63.998(b)(5)(i)(A) of subpart SS.

(x) The phrase “other than a start-up, shutdown, or malfunction” from 40 CFR 63.998(b)(5)(i)(B)(3) of subpart SS.

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(xi) The phrase “other than start-ups, shutdowns or malfunctions” in 40 CFR 63.998(b)(5)(i)(C) of subpart SS.

(xii) The phrase “other than a start-up, shutdown, or malfunction” from 40 CFR 63.998(b)(5)(ii)(C) of subpart SS.

(xiii) The phrase “except as provided in paragraphs (b)(6)(i)(A) and (B) of this section” in 40 CFR 63.998(b)(6)(i) of subpart SS.

(xiv) The second sentence of 40 CFR 63.998(b)(6)(ii) of subpart SS.

(xv) 40 CFR 63.998(c)(1)(ii)(D), (E), (F), and (G) of subpart SS.

(xvi) 40 CFR 63.998(d)(3) of subpart SS.

Condition 183: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2450(h), Subpart FFFF

Item 183.1:

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

Emission Unit: C-27018
 Process: MN1

Emission Unit: C-27035
 Process: MN2

Emission Unit: F-INISH
 Process: MN3

Item 183.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For sources controlled by small control devices under 40 CFR Part 63, Subpart FFFF, to determine the percent reduction of a small control device, you may elect to conduct a design evaluation as specified in §63.1257(a)(1) instead of a performance test as specified in subpart SS of this part 63. You must establish the value(s) and basis for the operating limits as part of the design evaluation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 184: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(i), Subpart FFFF

Item 184.1:

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

Emission Unit: C-27018

Emission Unit: C-27035

Emission Unit: F-INISH

Item 184.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When §63.997(e)(2)(iii)(C) requires correction of the measured concentration at the outlet of a combustion device to 3 percent oxygen if supplemental combustion air is added, the requirements in either paragraph (i)(1) or (2) of this section apply for the purposes of this subpart.

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 10/30/2023.

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

Condition 185: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(k), Subpart FFFF

Item 185.1:

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

Emission Unit: C-27018

Process: MN1

Emission Unit: C-27035

Process: MN2

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: F-INISH
 Process: MN3

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 185.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For control devices subject to 40 CFR Part 63, Subpart FFFF, the provisions in paragraphs (k)(1) through (4) of this section apply in addition to the requirements for continuous parameter monitoring system (CPMS) in subpart SS of this part 63.

(1) Results of each calibration check must be recorded and all maintenance performed on the CPMS as specified in §63.998(c)(1)(ii)(A).

(2) When subpart SS of this part 63 uses the term "a rang" or "operating range" of a monitored parameter, it means an "operating limit" for a monitored parameter for the purposes of this subpart.

(3) As an alternative to measuring pH as specified in §63.994(c)(1)(i), the owner or operator may elect to continuously monitor the caustic strength of the scrubber effluent.

(4) As an alternative to the inlet and outlet temperature monitoring requirements for catalytic incinerators as specified in §63.988(c)(2), the owner or operator may elect to comply with the requirements specified in paragraphs (k)(4)(i) through (iii) of this section.

(i) Monitor the inlet temperature as specified in subpart SS of this part 63.

(ii) Check the activity level of the catalyst at least every 12 months and take any necessary corrective action, such as replacing the catalyst to ensure that the catalyst is performing as designed.

(iii) Maintain records of the annual checks of catalyst activity levels and the subsequent corrective actions.

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 10/30/2023.

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

Condition 186: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(l), Subpart FFFF

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 186.1:

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

Emission Unit: C-27018
Process: MN1

Emission Unit: C-27035
Process: MN2

Emission Unit: F-INISH
Process: MN3

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 186.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For control devices subject to 40 CFR Part 63, Subpart FFFF, Sections 63.152(f)(7)(ii) through (iv) and 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of SSM from daily averages, do not apply for the purposes of this subpart.

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 10/30/2023.

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

Condition 187: General reporting requirement clarification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2450(m), Subpart FFFF

Item 187.1:

When §§63.2455-63.2490 reference other subparts in part 63 that use the term 'periodic report', it means 'compliance report' for the purposes of subpart FFFF. the compliance report must include the information specified in §63.2520(e), as well as the information specified in referenced subparts.

When there are conflicts between subpart FFFF and referenced subparts for the due dates of reports required by subpart FFFF, reports must be submitted according to the due dates presented in subpart FFFF.

Excused excursions, as defined in subparts G and SS of part 63, are not allowed in subpart

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Facility DEC ID: 5415400002

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Condition 188: Opening a safety device
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(p), Subpart FFFF

Item 188.1:

Except as specified in 40 CFR 63.2450(t), opening a safety device, as defined in 40 CFR 63.2550, is allowed at any time conditions require it to avoid unsafe conditions.

Condition 189: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2450(p), Subpart FFFF

Item 189.1:

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

Emission Unit: C-27018	
Process: MN1	Emission Source: MCPU1

Emission Unit: C-27035	
Process: MN2	Emission Source: MCPU2

Emission Unit: F-INISH	
Process: MN3	Emission Source: MCPU3

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 189.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each MCPU that is subject to 40 CFR Part 63, Subpart FFFF, opening a safety device, as defined in §63.2550, is allowed at any time conditions require it to avoid unsafe conditions.

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 10/30/2023.

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

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Condition 190: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2455(a), Subpart FFFF

Item 190.1:

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

Emission Unit: F-INISH

Process: 053

Emission Source: 76CSS

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 068479-14-1	SILANE, CHLORO METHYL DERIVS
CAS No: 0NY998-00-0	VOC
CAS No: 000064-19-7	ACETIC ACID

Item 190.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Water flow to the third stage of the scrubber will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations under 6 NYCRR 212.9(b). Engineering calculations will be used as evidence of compliance under 6 NYCRR 212.9(b) with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with Subpart FFFF 63.2465(a) for HAPs and 212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 7.0 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 191: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2455(a), Subpart FFFF

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 191.1:

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

Emission Unit: F-INISH

Process: 053

Emission Source: 76CSS

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 068479-14-1	SILANE, CHLORO METHYL DERIVS
CAS No: 0NY998-00-0	VOC
CAS No: 000064-19-7	ACETIC ACID

Item 191.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Water flow to the second stage of the scrubber will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations under 6 NYCRR 212-3.1(c)(4)(i). Engineering calculations will be used as evidence of compliance under 6 NYCRR 212-3.1(c)(4)(i) with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with Subpart FFFF 63.2465(a) for HAPs and 212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 6.0 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 192: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2455(a), Subpart FFFF

Item 192.1:

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

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: F-INISH

Process: 053

Emission Source: 76CSS

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 068479-14-1	SILANE, CHLORO METHYL DERIVS
CAS No: 0NY998-00-0	VOC
CAS No: 000064-19-7	ACETIC ACID

Item 192.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Water flow to the first stage of the scrubber will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations under 6 NYCRR 212-3.1(c)(4)(i). Engineering calculations will be used as evidence of compliance under 6 NYCRR 212-3.1(c)(4)(i) with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with Subpart FFFF 63.2465(a) for HAPs and 212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 20 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 193: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2455(a), Subpart FFFF

Item 193.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH

Process: 053

Emission Source: 76CSS

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Regulated Contaminant(s):

CAS No: 000064-19-7	ACETIC ACID
CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 0NY998-00-0	VOC
CAS No: 068479-14-1	SILANE, CHLORO METHYL DERIVS

Item 193.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Spray tower flow rate will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations under 6 NYCRR 212-3.1(c)(4)(i). Engineering calculations will be used as evidence of compliance under 6 NYCRR 212-3.1(c)(4)(i) with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with Subpart FFFF 63.2465(a) for HAPs and 212-3.1(c)(4)(i) for VOC per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 6.0 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 194: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2455(b), Subpart FFFF

Item 194.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: MN1

Emission Source: MCPU1

Emission Unit: C-27035

Process: MN2

Emission Source: MCPU2

Emission Unit: F-INISH

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process: MN3

Emission Source: MCPU3

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 194.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each continuous process vent in an MCPU regulated under the MON, The owner or operator must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in § 63.115(d), except as specified in paragraphs (b)(1) through (3) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/17/2024 for the period 09/19/2023 through 03/18/2024

Condition 195: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2460(a), Subpart FFFF

Item 195.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 023

Emission Source: 97OXI

Emission Unit: C-27018

Process: 024

Emission Source: 97OXI

Emission Unit: C-27018

Process: 025

Emission Source: 97OXI

Emission Unit: C-27018

Process: 026

Emission Source: 97OXI

Emission Unit: C-27018

Process: 083

Emission Source: 97OXI

Emission Unit: C-27018

Process: 715

Emission Source: 97OXI

Regulated Contaminant(s):

CAS No: 000107-46-0 HEXAMETHYLDISILOXANE

CAS No: 000541-02-6 DECAMETHYLCYCLOPENTASILOXANE

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

CAS No: 000556-67-2	OCTAMETHYLCYCLOTETRA SILOXANE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY100-00-0	TOTAL HAP

Item 195.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process shall be reduced by equal to or greater than 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The facility shall be in compliance with this emission limit at all times. The facility shall also meet the notification, reporting, and recordkeeping requirements specified in §§63.2515, 63.2520, and 63.2525.

A performance test shall be performed according to the provisions of §63.997(c)(3), as applicable, within 180 days of the thermal oxidizer startup. The facility must conduct subsequent performance tests within 180 days of a change in the worst-case conditions.

To demonstrate initial compliance with a percent reduction emission limit, the facility must establish emission profiles and conduct the test under worst-case conditions according to §63.1257(b)(8) instead of under normal operating conditions as specified in §63.7(e)(1) of subpart A or the conditions as specified in §63.2450(g)(6). The requirements in §63.997(e)(1)(i) and (iii) also do not apply for performance tests conducted to determine compliance with the emission limits for batch process vents. For purposes of this subpart, references in §63.997(b)(1) to “methods specified in §63.997(e)” include the methods specified in §63.1257(b)(8). Performance tests requirements/procedures in §63.2450(g) shall apply instead of or in addition to the requirements specified in §63.997(e).

The facility shall record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions represent normal operation. Upon request, the facility shall make available to the Department such records as may be necessary to determine the conditions of performance tests.

The facility shall submit a notification of intent to conduct a performance test at least 60 calendar days

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before the performance test is scheduled to begin as required in §63.7(b)(1). For any performance test required as part of the initial compliance procedures for batch process vents in Table 2 to this subpart, you must also submit the test plan required by §63.7(c) and the emission profile with the notification of the performance test.

Within 60 days after the date of completing each performance test required by this subpart, the facility shall submit the results of the performance test following the procedures specified in §63.2520(f)(1) through (3).

This monitoring requirement also applies to Group 1 (PR 715, 023 - 026) and Group 2 (PR 083) batch process vents to assure compliance with 6 NYCRR 212-3.1(c)(4)(i) -VOC RACT. In addition, this monitoring condition assures compliance with 6 NYCRR 212-2.3(b), Table 4. for Siloxane (non-VOC organic) emissions from Processes 023 - 026. Siloxanes have been given an Environmental Rating of “B” and demonstrated to have an emission rate potential (ERP) greater than or equal to 10 - 25 pounds per hour which requires 90% control.

Lower Permit Limit: 98 percent reduction by weight

Reference Test Method: Method 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/17/2024 for the period 09/19/2023 through 03/18/2024

Condition 196: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2460(a), Subpart FFFF

Item 196.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 083

Emission Unit: C-27018

Process: 715

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 196.2:

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Facility DEC ID: 5415400002

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by =98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare).

The Group 1 batch process vents in these processes will be vented to a pre- scrubber (MTCSS) to remove non-HAP constituents, and then to the MON MACT Thermal Oxidizer or the Fixed Box #2 Incinerator. The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum kiln temperature for 93FBI will be 980°C. Records will be maintained in accordance with 40 CFR Section 63.998.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 980 degrees C below the approved performance test combustion temperature

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 197: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2460(a), Subpart FFFF

Item 197.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
Process: 023

Emission Unit: C-27018
Process: 024

Emission Unit: C-27018
Process: 025

Emission Unit: C-27018

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process: 026

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 197.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by =98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare).

The Group 1 batch process vents from these processes will be vented to a pre-condenser (source D4CON) and then to the MON MACT Thermal Oxidizer or Fixed Box #2 Incinerator. The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum temperature for 96FBI will be 980°C. Records will be maintained in accordance with 40 CFR Section 63.998.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 980 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 198: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2460(b), Subpart FFFF

Item 198.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: MN1

Emission Source: MCPU1

Emission Unit: C-27035

Process: MN2

Emission Source: MCPU2

Emission Unit: F-INISH

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process: MN3

Emission Source: MCPU3

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 198.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For processes with batch process vents that are subject to 40 CFR Part 63, Subpart FFFF, determine the group status of the batch process vents by determining and summing the uncontrolled organic HAP emissions from each of the batch process vents within the process using the procedures specified in §63.1257(d)(2)(i) and (ii), except as specified in paragraphs (b)(1) through (4) of this section.

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 10/30/2023.

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

Condition 199: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2460(c), Subpart FFFF

Item 199.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: MN1

Emission Source: MCPU1

Emission Unit: C-27035

Process: MN2

Emission Source: MCPU2

Emission Unit: F-INISH

Process: MN3

Emission Source: MCPU3

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 199.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

For MCPUs with Group 1 batch process vents, exceptions to the requirements in subpart SS of this part 63 are specified in paragraphs (c)(1) through (7) of this section, and include process condensers, initial compliance, establishing operating limit, averaging periods, periodic verification, and outlet concentration correction for supplemental gases.

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 10/30/2023.

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

Condition 200: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2460(c)(7), Subpart FFFF

Item 200.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
Process: 023

Emission Unit: C-27018
Process: 024

Emission Unit: C-27018
Process: 025

Emission Unit: C-27018
Process: 026

Emission Unit: C-27018
Process: 040

Emission Unit: C-27018
Process: 047

Emission Unit: C-27018
Process: 083

Emission Unit: C-27018
Process: 108

Emission Unit: C-27018
Process: 715

Regulated Contaminant(s):

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

CAS No: 0NY100-00-0 TOTAL HAP

Item 200.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If flow to a control device could be intermittent, a flow indicator at the inlet or outlet of the control device must be installed, calibrated, and operated to identify periods of no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

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 10/30/2023.

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

Condition 201: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2465(a), Subpart FFFF

Item 201.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27035

Process: 056

Emission Source: 27HWT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 201.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The packed tower water scrubber flow is maintained at a minimum of 5 gpm to ensure 99% control efficiency for Part 212-3.1(c)(4)(i). Engineering calculations will be used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with 40 CFR 63.2465 for HAPs and 6 NYCRR

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Facility DEC ID: 5415400002

212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 5 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 202: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2465(a), Subpart FFFF

Item 202.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 040

Emission Source: 76EAS

Emission Unit: C-27018

Process: 047

Emission Source: 76WAS

Regulated Contaminant(s):

CAS No: 000067-56-1

METHYL ALCOHOL

CAS No: 000075-36-5

ACETYL CHLORIDE

CAS No: 007647-01-0

HYDROGEN CHLORIDE

CAS No: 0NY998-00-0

VOC

CAS No: 000067-64-1

DIMETHYL KETONE

Item 202.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

High acid scrubber water flow will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with 40 CFR 63.2465(a) for HAPs and 6 NYCRR 212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Lower Permit Limit: 40 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24 HOUR DAILY BLOCK (ARITHMETIC AVERAGE)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 203: Compliance Certification
 Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2465(a), Subpart FFFF

Item 203.1:

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

Emission Unit: C-27018
 Process: 047 Emission Source: 76EWS

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000067-64-1	DIMETHYL KETONE
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 000107-46-0	HEXAMETHYLDISILOXANE
CAS No: 000108-88-3	TOLUENE
CAS No: 001185-55-3	METHYLTRIMETHOXY SILANE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 0NY998-00-0	VOC
CAS No: 000064-19-7	ACETIC ACID

Item 203.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A flow meter is used to monitor the water flow rate to the scrubber to ensure sufficient control efficiency. Engineering calculations will be used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

Compliance with this monitoring requirement assures compliance with 40 CFR 63.2465(a) for HAPs and 212-3.1(c)(4)(i) for VOCs per the Pre-Compliance Report.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 72 gallons per minute
 Monitoring Frequency: CONTINUOUS

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 204: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2470(e), Subpart FFFF

Item 204.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH

Process: 053

Emission Source: 76MET

Item 204.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to the emission limits specified in Table 4 to Subpart FFFF, the owner or operator may elect to implement vapor balancing in accordance with 40 CFR 63.1253(f), except as specified in 40 CFR 63.2470(e)(1) through (3).

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 10/30/2023.

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

Condition 205: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2480, Subpart FFFF

Item 205.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 220

Emission Unit: C-27035

Process: 221

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Facility DEC ID: 5415400002

Emission Unit: F-INISH
Process: 222

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 205.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) You must meet each requirement in Table 6 to this subpart that applies to your equipment leaks, except as specified in paragraphs (b) and (c) of this section.
- (b) The requirements for pressure testing in §63.1036(b) may be applied to all processes, not just batch processes.

(c) For the purposes of this subpart, pressure testing for leaks in accordance with §63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

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 10/30/2023.

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

Condition 206: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2480(e)(1), Subpart FFFF

Item 206.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
Process: 220

Emission Unit: C-27035
Process: 221

Emission Unit: F-INISH
Process: 222

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 206.2:

Compliance Certification shall include the following monitoring:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must comply with the requirements specified in paragraphs (e)(1) and (2) of this section for pressure relief devices, such as relief valves or rupture disks, in organic HAP gas or vapor service Except as specified in paragraphs (e)(4) and (5) of this section, you must also comply with the requirements specified in paragraphs (e)(3), (6), (7), and (8) of this section for all pressure relief devices in organic HAP service.

(1) Operating requirements. Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as measured by the method in § 63.1023(b) of subpart UU,

(2) Pressure release requirements. For pressure relief devices in organic HAP gas or vapor service, you must comply with the applicable requirements paragraphs (e)(2)(i) through (iii) of this section following a pressure release.

(i) If the pressure relief device does not consist of or include a rupture disk, conduct instrument monitoring, as specified in § 63.1023(b) of subpart UU, no later than 5 calendar days after the pressure relief device returns to organic HAP gas or vapor service following a pressure release to verify that the pressure relief device is operating with an instrument reading of less than 500 ppm.

(ii) If the pressure relief device includes a rupture disk, either comply with the requirements in paragraph (e)(2)(i) of this section (and do not replace the rupture disk) or install a replacement disk as soon as practicable after a pressure release, but no later than 5 calendar days after the pressure release. You must conduct instrument monitoring, as specified in § 63.1023(b) of subpart UU, no later than 5 calendar days after the pressure relief device returns to organic HAP gas or vapor service following a pressure release to verify that the pressure relief device is operating with an instrument reading of less than 500 ppm.

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 10/30/2023.

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

Condition 207: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

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Facility DEC ID: 5415400002

Applicable Federal Requirement: 40CFR 63.2480(e)(3), Subpart FFFF

Item 207.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018

Process: 220

Emission Unit: C-27035

Process: 221

Emission Unit: F-INISH

Process: 222

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 207.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must comply with the requirements specified in paragraphs (e)(3)(i) through (v) of this section for all pressure relief devices in organic HAP service. Equip each affected pressure relief device with a device(s) or use a monitoring system that is capable of:

- (A) Identifying the pressure release;
 - (B) Recording the time and duration of each pressure release; and
 - (C) Notifying operators immediately that a pressure release is occurring. The device or monitoring system must be either specific to the pressure relief device itself or must be associated with the process system or piping, sufficient to indicate a pressure release to the atmosphere. Examples of these types of devices and systems include, but are not limited to, a rupture disk indicator, magnetic sensor, motion detector on the pressure relief valve stem, flow monitor, or pressure monitor.
- (ii) You must apply at least three redundant prevention measures to each affected pressure relief device and document these measures. Examples of prevention measures include:
- (A) Flow, temperature, liquid level and pressure indicators with deadman switches, monitors, or automatic actuators. Independent, non-duplicative systems within this category count as separate redundant prevention measures.
 - (B) Documented routine inspection and maintenance programs and/or operator training (maintenance programs and

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- operator training may count as only one redundant prevention measure).
- (C) Inherently safer designs or safety instrumentation systems.
- (D) Deluge systems.
- (E) Staged relief system where the initial pressure relief device (with lower set release pressure) discharges to a flare or other closed vent system and control device.

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 10/30/2023.

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

Condition 208: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2485(c), Subpart FFFF

Item 208.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: MN1

Emission Unit: C-27035
 Process: MN2

Emission Unit: F-INISH
 Process: MN3

Item 208.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, determine Group 1 wastewater streams. For the purposes of this subpart, a process wastewater stream is Group 1 for compounds in Tables 8 and 9 to this subpart if any of the conditions specified in paragraphs (c) (1) through (3) of this section are met.

(1) The total annual average concentration of compounds in Table 8 to this subpart is greater than 50 ppmw, and the combined total annual average concentration of compounds in Tables 8 and 9 to this subpart is greater than or equal to 10,000 ppmw at any flowrate.

(2) The total annual average concentration of compounds Table 8 to this subpart is greater 50 ppmw, the combined

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total annual average concentration of compounds in Tables 8 and 9 to this subpart is greater than or equal to 1,000 ppmw, and the annual average flowrate is greater than or equal to 1 l/min.

(3) The total annual average concentration of compounds in Table 8 to this subpart is less than or equal to 50 ppmw, the total annual average concentration of compounds in Table 9 to this subpart is greater than or equal to 30,000 ppmw at an existing source or greater than or equal to 4,500 ppmw at a new source, and the total annual load of compounds in Table 9 to this subpart is greater than or equal to 1 tpy.

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 10/30/2023.

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

Condition 209: General Notification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2515, Subpart FFFF

Item 209.1:

Except as specified in §63.2515(d), the facility must submit all of the notifications listed in §§63.6(h)(4), 63.6(h)(5), 63.7(b), 63.7(c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b)-(h) which apply to the facility by the dates specified in the citations.

Condition 210: Compliance Certification

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2520(c), Subpart FFFF

Item 210.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
Process: MN1

Emission Unit: C-27035
Process: MN2

Emission Unit: F-INISH
Process: MN3

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

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Item 210.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator must submit compliance reports containing the information specified in paragraphs (e)(1) through (10) of this section. The compliance reports must be submitted semiannually according to the requirements in 63.2520(b).

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 10/30/2023.

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

Condition 211: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2520(c), Subpart FFFF

Item 211.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-27018
 Process: MN1

Emission Unit: C-27035
 Process: MN2

Emission Unit: F-INISH
 Process: MN3

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 211.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator must submit a notification of compliance status report according to the schedule in paragraph (d)(1) of this section, and the notification of compliance status report must contain the information specified in paragraph (d)(2) of this section.

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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 10/30/2023.

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

Condition 212: Performance test reports
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2520(f), Subpart FFFF

Item 212.1:

After October 13, 2020, the owner or operator must submit performance test reports in accordance with 40 CFR 63.2520(f). Unless otherwise specified in subpart FFFF, within 60 days after the date of completing each performance test required by subpart FFFF, the owner or operator must submit the results of the performance test following the procedures specified in paragraphs (1) through (3).

(1) Data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT website (<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>) at the time of the test. Submit the results of the performance test to the EPA via CEDRI, which can be accessed through the EPA's CDX (<https://cdx.epa.gov/>). The data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, the owner or operator may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website.

(2) If the data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website at the time of the test, then the results of the performance test must be included as an attachment in the ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the ERT generated package or alternative file to the EPA via CEDRI.

(3) For any Confidential business information (CBI). The EPA will make all the information submitted through CEDRI available to the public without further notice to the owner or operator. Therefore, do not use CEDRI to submit information the owner or operator claims as CBI. Anything submitted using CEDRI cannot later be claimed to be CBI. Although EPA does not expect persons to assert a claim of CBI, if the owner or operator wishes to assert a CBI claim, they must submit a complete file, including information claimed to be CBI, to the EPA. The file must be generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT website. Submit the file on a compact disc, flash drive, or other commonly used electronic storage medium and clearly mark the medium as CBI. Mail the electronic medium to U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Sector Policies and Programs Division, CORE CBI Office, U.S. EPA Mailroom (C404-02), Attention: Group Leader, Measurement Policy Group, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described in paragraphs (1) and (2). All CBI claims must be asserted at the time of submission. Furthermore, under CAA section 114(c) emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available

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to the public. Thus, emissions data will not be protected as CBI and will be made publicly available.

Condition 213: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.2525, Subpart FFFF

Item 213.1:

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

Emission Unit: C-27018
 Process: MN1

Emission Unit: C-27035
 Process: MN2

Emission Unit: F-INISH
 Process: MN3

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 213.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator must keep the records specified in paragraphs (a) through (k) of this section.

(a) Each applicable record required by subpart A of this part 63 and in referenced subparts F, G, SS, TT, UU, WW, and GGG of this part 63.

(b) Records of each operating scenario as specified in paragraphs (b)(1) through (8) of this section.

(1) A description of the process and the type of process equipment used.

(2) An identification of related process vents, including their associated emissions episodes if not complying with the alternative standard in §63.2505; wastewater point of determination (POD); storage tanks; and transfer racks.

(3) The applicable control requirements of this subpart, including the level of required control, and for vents, the level of control for each vent.

(4) The control device or treatment process used, as applicable, including a description of operating and/or testing conditions for any associated control device.

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(5) The process vents, wastewater POD, transfer racks, and storage tanks (including those from other processes) that are simultaneously routed to the control device or treatment process(s).

(6) The applicable monitoring requirements of this subpart and any parametric level that assures compliance for all emissions routed to the control device or treatment process.

(7) Calculations and engineering analyses required to demonstrate compliance.

(8) For reporting purposes, a change to any of these elements not previously reported, except for paragraph (b)(5) of this section, constitutes a new operating scenario.

(c) A schedule or log of operating scenarios updated each time a different operating scenario is put into operation.

(d) The information specified in paragraphs (d)(1) and (2) of this section for Group 1 batch process vents in compliance with a percent reduction emission limit in Table 2 to this subpart if some of the vents are controlled to less the percent reduction requirement.

(1) Records of whether each batch operated was considered a standard batch.

(2) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(e) The information specified in paragraphs (e)(1) through (4) of this section for each process with Group 2 batch process vents or uncontrolled hydrogen halide and halogen HAP emissions from the sum of all batch and continuous process vents less than 1,000 lb/yr. No record is required if you documented in the notification of compliance status report that the MCPU does not process, use, or produce HAP.

(1) A record of the day each batch was completed.

(2) A record of whether each batch operated was considered a standard batch.

(3) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch.

(4) Records of the daily 365-day rolling summations of emissions, or alternative records that correlate to the emissions (e.g., number of batches), calculated no less frequently than monthly.

(f) A record of each time a safety device is opened to avoid unsafe conditions in accordance with §63.2450(s).

(g) Records of the results of each CPMS calibration check and the maintenance performed, as specified in §63.2450(k)(1).

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(h) For each CEMS, you must keep records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(i)

(j) In the SSMP required by §63.6(e)(3), you are not required to include Group 2 emission points, unless those emission points are used in an emissions average. For equipment leaks, the SSMP requirement is limited to control devices and is optional for other equipment.

(k) For each bag leak detector used to monitor PM HAP emissions from a fabric filter, maintain records of any bag leak detection alarm, including the date and time, with a brief description of the cause of the alarm and the corrective action taken.

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 10/30/2023.

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

Condition 214: Electronic records
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2525(t), Subpart FFFF

Item 214.1:

Any records required to be maintained by 40 CFR 63, Subpart FFFF, that are submitted electronically via the EPA's CEDRI, may be maintained in an electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

Condition 215: General provisions of subpart A
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.2540, Subpart FFFF

Item 215.1:

Table 12 of subpart FFFF lists which parts of the general provisions listed in subpart A of part 63 which apply to the facility.

Condition 216: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.1253, Subpart GGG

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Item 216.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: F-INISH

Process: 053

Emission Source: 76MET

Item 216.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with 63.1253(f) - Vapor balancing alternative. As an alternative to the requirements in paragraphs (b) and (c) of this section, the owner or operator of an existing or new affected source may implement vapor balancing in accordance with paragraphs (f)(1) through (7) of this section.

- (1) The vapor balancing system must be designed and operated to route organic HAP vapors displaced from loading of the storage tank to the railcar or tank truck from which the storage tank is filled.
- (2) Tank trucks and railcars must have a current certification in accordance with the U.S. Department of Transportation (DOT) pressure test requirements of 49 CFR part 180 for tank trucks and 49 CFR 173.31 for railcars.
- (3) Hazardous air pollutants must only be unloaded from tank trucks or railcars when vapor collection systems are connected to the storage tank's vapor collection system.
- (4) No pressure relief device on the storage tank, or on the railcar, or tank truck shall open during loading or as a result of diurnal temperature changes (breathing losses).
- (5) Pressure relief devices on affected storage tanks must be set to no less than 2.5 psig at all times to prevent breathing losses. The owner or operator shall record the setting as specified in §63.1259(b)(12) and comply with the requirements for each pressure relief valve in paragraphs (f)(5)(i) through (iii) of this section:
 - (i) The pressure relief valve shall be monitored quarterly using the method described in §63.180(b).
 - (ii) An instrument reading of 500 ppmv or greater defines a leak.

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(iii) When a leak is detected, it shall be repaired as soon as practicable, but no later than 5 days after it is detected, and the owner or operator shall comply with the recordkeeping requirements of §63.1255(g)(4)(i) through (iv).

(6) Railcars or tank trucks that deliver HAP to an affected storage tank must be reloaded or cleaned at a facility that utilizes one of the control techniques in paragraph (f)(6)(i) through (ii) of this section:

(i) The railcar or tank truck must be connected to a closed-vent system with a control device that reduces inlet emissions of HAP by 90 percent by weight or greater; or

(ii) A vapor balancing system designed and operated to collect organic HAP vapor displaced from the tank truck or railcar during reloading must be used to route the collected HAP vapor to the storage tank from which the liquid being transferred originated.

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 10/30/2023.

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

Condition 217: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40CFR 63.7881(c), Subpart GGGGG

Item 217.1:

The Compliance Certification activity will be performed for the Facility.

Item 217.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The total Table 1 HAP contained in the remediation material that will be excavated, extracted, pumped, or otherwise removed during the site remediation is less than 1 megagram per year (Mg/yr). Written documentation must be kept to support the determination of the total HAP quantity used to demonstrate compliance with paragraph (c)(1). This documentation must include a description of the methodology and data used for determining the total HAP content of the material.

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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 10/30/2023.

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

Condition 218: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6625(e), Subpart ZZZZ

Item 218.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS

Process: L18

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 218.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Existing emergency stationary RICE with a rating of less than or equal to 500 HP located at a major source of HAP emissions must be operated and maintained according to the manufacturer's emission related written instructions or the owner or operator may develop your a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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 10/30/2023.

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

Condition 219: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 219.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L18

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 219.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Existing emergency stationary RICE with a rating of less than or equal to 500 HP located at a Major source of HAP emissions you must contain a non-resettable hour meter.

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 10/30/2023.

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

Condition 220: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:40CFR 63.6640(f), Subpart ZZZZ

Item 220.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: E-LISTS
 Process: L18

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 220.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Unlimited use for emergencies, 100 hr/yr for maintenance/testing. 50 hr/yr of the 100hr/yr can be used for non-emergency situations (i.e., fire training) if there is no financial arrangement (i.e., no emergency demand response program).

note - Under 6 NYCRR 200.1(cq); Emergency power generating stationary internal combustion engine. A stationary

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internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving is not an emergency power generating stationary internal combustion engine. Non emergency power generating stationary internal combustion engines are subject to requirements under 6 NYCRR 227-2.4(f)(6).

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 10/30/2023.

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

Condition 221: Compliance Certification
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 40 CFR Part 98

Item 221.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-28002

Process: 408

Emission Source: BLR13

Emission Unit: U-28002

Process: 410

Emission Source: BLR18

Emission Unit: U-28003

Process: 415

Emission Source: BLR14

Emission Unit: U-28003

Process: 417

Emission Source: BLR16

Item 221.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is subject to 40 CFR 98 Subpart (C) (combustion sources) and Subpart TT(landfill). Annual GHG reports must be submitted to EPA electronically through the e-GGRT system. Reports are due by March 31 of each calendar year as outlined in 40 CFR 98.3.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 90 days after the reporting period.

The initial report is due 12/29/2023.

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

**** Emission Unit Level ****

Condition 222: Emission Point Definition By Emission Unit
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 222.1:

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

Emission Unit:	C-27018		
Emission Point:	14006		
Height (ft.):	25	Diameter (in.):	1
NYTMN (km.):	4741.053	NYTME (km.):	608.735 Building: 14
Emission Point:	21011		
Height (ft.):	37	Diameter (in.):	2
NYTMN (km.):	4741.244	NYTME (km.):	608.938 Building: 21
Emission Point:	23002		
Height (ft.):	18	Diameter (in.):	37
NYTMN (km.):	4741.188	NYTME (km.):	609.039 Building: 23
Emission Point:	23005		
Height (ft.):	10	Diameter (in.):	3
NYTMN (km.):	4741.188	NYTME (km.):	609.039 Building: 23
Emission Point:	24113		
Height (ft.):	8	Diameter (in.):	8
NYTMN (km.):	4741.173	NYTME (km.):	609.037 Building: 24
Emission Point:	24120		
Height (ft.):	137	Diameter (in.):	10
NYTMN (km.):	4741.173	NYTME (km.):	609.037 Building: 24A
Emission Point:	24141		
Height (ft.):	28	Diameter (in.):	4
NYTMN (km.):	4741.238	NYTME (km.):	609.07 Building: 24A
Emission Point:	24142		
Height (ft.):	29	Diameter (in.):	2
NYTMN (km.):	4741.233	NYTME (km.):	609.015 Building: 24A

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Emission Point: 24143	Height (ft.): 29	Diameter (in.): 2	
NYTMN (km.): 4741.233	NYTME (km.): 609.015	Building: 24A	
Emission Point: 24144	Height (ft.): 29	Diameter (in.): 2	
NYTMN (km.): 4741.233	NYTME (km.): 609.015	Building: 24A	
Emission Point: 24150	Height (ft.): 120	Diameter (in.): 6	
NYTMN (km.): 4741.241	NYTME (km.): 609.008		
Emission Point: 24151	Height (ft.): 14	Diameter (in.): 2	
NYTMN (km.): 4741.239	NYTME (km.): 609.004		
Emission Point: 24208	Height (ft.): 82	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24	
Emission Point: 24417	Height (ft.): 29	Diameter (in.): 2	
NYTMN (km.): 4741.233	NYTME (km.): 609.015	Building: 24A	
Emission Point: 24423	Height (ft.): 40	Diameter (in.): 3	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24	
Emission Point: 24703	Height (ft.): 13	Length (in.): 6	Width (in.): 7
NYTMN (km.): 4741.198	NYTME (km.): 609.02	Building: 24	
Emission Point: 24908	Height (ft.): 35	Diameter (in.): 3	
NYTMN (km.): 4741.151	NYTME (km.): 609.031	Building: 24	
Emission Point: 24925	Height (ft.): 11	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24	
Emission Point: 24927	Height (ft.): 36	Diameter (in.): 1	
NYTMN (km.): 4741.151	NYTME (km.): 609.03	Building: 24	
Emission Point: 24933	Height (ft.): 21	Diameter (in.): 1	
NYTMN (km.): 4741.156	NYTME (km.): 609.026	Building: 24	
Emission Point: 24936	Height (ft.): 19	Diameter (in.): 2	
NYTMN (km.): 4741.145	NYTME (km.): 609.023	Building: 24	

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Emission Point: 24937	Height (ft.): 11	Diameter (in.): 2	
	NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 24
Emission Point: 24938	Height (ft.): 12	Diameter (in.): 2	
	NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24939	Height (ft.): 12	Diameter (in.): 2	
	NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24949	Height (ft.): 46	Diameter (in.): 2	
	NYTMN (km.): 4741.192	NYTME (km.): 609.055	Building: 24A
Emission Point: 24950	Height (ft.): 134	Diameter (in.): 2	
	NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24951	Height (ft.): 44	Diameter (in.): 2	
	NYTMN (km.): 4741.179	NYTME (km.): 609.02	Building: 24
Emission Point: 24952	Height (ft.): 29	Diameter (in.): 2	
	NYTMN (km.): 4741.233	NYTME (km.): 609.015	Building: 24A
Emission Point: 24953	Height (ft.): 29	Diameter (in.): 2	
	NYTMN (km.): 4741.233	NYTME (km.): 609.015	Building: 24A
Emission Point: 24954	Height (ft.): 134	Diameter (in.): 2	
	NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24962	Height (ft.): 48	Diameter (in.): 4	
	NYTMN (km.): 4741.165	NYTME (km.): 609.014	Building: 24
Emission Point: 24978	Height (ft.): 94	Diameter (in.): 2	
	NYTMN (km.): 4741.169	NYTME (km.): 609.072	Building: 24A
Emission Point: 30804	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.94	Building: 30
Emission Point: 30806	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.939	Building: 30

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Emission Point: 30807	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.939	Building: 30
Emission Point: 30808	Height (ft.): 26	Diameter (in.): 2	
	NYTMN (km.): 4741.295	NYTME (km.): 608.922	Building: 30
Emission Point: 30907	Height (ft.): 40	Diameter (in.): 2	
	NYTMN (km.): 4741.353	NYTME (km.): 608.995	Building: 30
Emission Point: 30914	Height (ft.): 14	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.939	Building: 30
Emission Point: 30916	Height (ft.): 13	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.94	Building: 30
Emission Point: 30917	Height (ft.): 11	Diameter (in.): 2	
	NYTMN (km.): 4741.348	NYTME (km.): 608.939	Building: 30
Emission Point: 30918	Height (ft.): 11	Diameter (in.): 2	
	NYTMN (km.): 4741.349	NYTME (km.): 608.939	Building: 30
Emission Point: 30938	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.349	NYTME (km.): 608.945	Building: 30
Emission Point: 30947	Height (ft.): 24	Diameter (in.): 3	
	NYTMN (km.): 4741.312	NYTME (km.): 608.881	Building: 30
Emission Point: 31019	Height (ft.): 24	Diameter (in.): 2	
	NYTMN (km.): 4741.336	NYTME (km.): 609.031	Building: 30
Emission Point: 31022	Height (ft.): 20	Diameter (in.): 6	
	NYTMN (km.): 4741.336	NYTME (km.): 609.031	Building: 30
Emission Point: 31030	Height (ft.): 28	Diameter (in.): 20	
	NYTMN (km.): 4741.336	NYTME (km.): 609.031	Building: 30E
Emission Point: 31031	Height (ft.): 28	Diameter (in.): 20	
	NYTMN (km.): 4741.336	NYTME (km.): 609.031	Building: 30E

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Emission Point:	31032			
Height (ft.):	10	Diameter (in.):	1	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30E
Emission Point:	31034			
Height (ft.):	10	Diameter (in.):	1	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30E
Emission Point:	31035			
Height (ft.):	56	Diameter (in.):	1	
NYTMN (km.):	4741.353	NYTME (km.):	608.995	Building: 30
Emission Point:	31036			
Height (ft.):	46	Diameter (in.):	2	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30E
Emission Point:	31037			
Height (ft.):	46	Diameter (in.):	2	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30E
Emission Point:	31040			
Height (ft.):	45	Diameter (in.):	20	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30
Emission Point:	31041			
Height (ft.):	46	Diameter (in.):	2	
NYTMN (km.):	4741.336	NYTME (km.):	609.031	Building: 30
Emission Point:	31046			
Height (ft.):	24	Diameter (in.):	6	
NYTMN (km.):	4741.353	NYTME (km.):	608.995	Building: 30
Emission Point:	31047			
Height (ft.):	24	Diameter (in.):	6	
NYTMN (km.):	4741.353	NYTME (km.):	608.995	Building: 30
Emission Point:	32038			
Height (ft.):	9	Diameter (in.):	6	
NYTMN (km.):	4741.344	NYTME (km.):	609.025	Building: 30
Emission Point:	35006			
Height (ft.):	66	Diameter (in.):	3	
NYTMN (km.):	4741.285	NYTME (km.):	608.806	Building: 35
Emission Point:	35007			
Height (ft.):	10	Diameter (in.):	2	
NYTMN (km.):	4741.285	NYTME (km.):	608.806	Building: 35
Emission Point:	35009			
Height (ft.):	41	Diameter (in.):	2	
NYTMN (km.):	4741.285	NYTME (km.):	608.806	Building: 35

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Emission Point: 35010	Height (ft.): 20	Diameter (in.): 2	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35011	Height (ft.): 55	Diameter (in.): 4	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35012	Height (ft.): 40	Diameter (in.): 6	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35016	Height (ft.): 45	Diameter (in.): 1	
NYTMN (km.): 4741.312	NYTME (km.): 608.835	Building: 35	
Emission Point: 35018	Height (ft.): 27	Diameter (in.): 3	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35028	Height (ft.): 0	Diameter (in.): 24	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35031	Height (ft.): 0	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35032	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35033	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35034	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35035	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35036	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	
Emission Point: 35037	Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35	

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Emission Point: 35039	Height (ft.): 15	Diameter (in.): 1	
	NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35
Emission Point: 35040	Height (ft.): 15	Diameter (in.): 1	
	NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35
Emission Point: 35901	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4741.285	NYTME (km.): 608.806	Building: 35
Emission Point: 36001	Height (ft.): 12	Diameter (in.): 1	
	NYTMN (km.): 4741.284	NYTME (km.): 608.781	Building: 36
Emission Point: 36003	Height (ft.): 12	Diameter (in.): 1	
	NYTMN (km.): 4741.284	NYTME (km.): 608.78	Building: 36
Emission Point: 36004	Height (ft.): 12	Diameter (in.): 1	
	NYTMN (km.): 4741.284	NYTME (km.): 608.78	Building: 36
Emission Point: 37002	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.839	Building: 37
Emission Point: 37004	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.839	Building: 37
Emission Point: 37007	Height (ft.): 56	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.839	Building: 37
Emission Point: 37009	Height (ft.): 44	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37011	Height (ft.): 45	Diameter (in.): 3	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37013	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37014	Height (ft.): 56	Diameter (in.): 2	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37

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Emission Point: 37017	Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37018	Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37019	Height (ft.): 51	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37020	Height (ft.): 45	Diameter (in.): 3	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37021	Height (ft.): 45	Diameter (in.): 1	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37022	Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37023	Height (ft.): 7	Diameter (in.): 1	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37026	Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37027	Height (ft.): 2	Diameter (in.): 1	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37033	Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.356	NYTME (km.): 608.838		
Emission Point: 37034	Height (ft.): 56	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	
Emission Point: 37036	Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37	
Emission Point: 37038	Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37	

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Emission Point: 37039	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37040	Height (ft.): 42	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37041	Height (ft.): 45	Diameter (in.): 4	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37042	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37043	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37044	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37045	Height (ft.): 45	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37060	Height (ft.): 0	Diameter (in.): 2	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37062	Height (ft.): 30	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37063	Height (ft.): 30	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37066	Height (ft.): 38	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.837	Building: 37
Emission Point: 37067	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.331	NYTME (km.): 608.821	Building: 37
Emission Point: 37068	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.331	NYTME (km.): 608.821	Building: 37

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Emission Point: 37069	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.331	NYTME (km.): 608.821	Building: 37
Emission Point: 37070	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.331	NYTME (km.): 608.821	Building: 37
Emission Point: 37071	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.331	NYTME (km.): 608.821	Building: 37
Emission Point: 37072	Height (ft.): 43	Diameter (in.): 1	
	NYTMN (km.): 4741.337	NYTME (km.): 608.828	Building: 37
Emission Point: 37077	Height (ft.): 30	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37078	Height (ft.): 41	Diameter (in.): 3	
	NYTMN (km.): 4741.374	NYTME (km.): 608.812	Building: 37
Emission Point: 37079	Height (ft.): 42	Diameter (in.): 4	
	NYTMN (km.): 4741.379	NYTME (km.): 608.821	Building: 37
Emission Point: 37080	Height (ft.): 44	Diameter (in.): 2	
	NYTMN (km.): 4741.383	NYTME (km.): 608.832	Building: 37
Emission Point: 37081	Height (ft.): 44	Diameter (in.): 3	
	NYTMN (km.): 4741.374	NYTME (km.): 608.812	Building: 37
Emission Point: 37085	Height (ft.): 44	Diameter (in.): 1	
	NYTMN (km.): 4741.337	NYTME (km.): 608.84	Building: 37
Emission Point: 37702	Height (ft.): 43	Diameter (in.): 21	
	NYTMN (km.): 4741.34	NYTME (km.): 608.826	Building: 37
Emission Point: 37705	Height (ft.): 43	Diameter (in.): 21	
	NYTMN (km.): 4741.356	NYTME (km.): 608.837	Building: 37
Emission Point: 37707	Height (ft.): 43	Diameter (in.): 21	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37

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Emission Point:	37708			
Height (ft.):	43	Diameter (in.):	8	
NYTMN (km.):	4741.356	NYTME (km.):	608.838	Building: 37
Emission Point:	37801			
Height (ft.):	50	Diameter (in.):	2	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37803			
Height (ft.):	55	Diameter (in.):	2	
NYTMN (km.):	4741.356	NYTME (km.):	608.838	Building: 37
Emission Point:	37804			
Height (ft.):	55	Diameter (in.):	2	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37805			
Height (ft.):	36	Diameter (in.):	2	
NYTMN (km.):	4741.356	NYTME (km.):	608.838	Building: 37
Emission Point:	37812			
Height (ft.):	50	Diameter (in.):	2	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37813			
Height (ft.):	34	Diameter (in.):	1	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37814			
Height (ft.):	30	Diameter (in.):	2	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37827			
Height (ft.):	40	Diameter (in.):	2	
NYTMN (km.):	4741.36	NYTME (km.):	608.834	Building: 37
Emission Point:	37901			
Height (ft.):	40	Diameter (in.):	2	
NYTMN (km.):	4741.355	NYTME (km.):	608.838	Building: 37
Emission Point:	37902			
Height (ft.):	55	Diameter (in.):	2	
NYTMN (km.):	4741.356	NYTME (km.):	608.838	Building: 37
Emission Point:	37903			
Height (ft.):	55	Diameter (in.):	2	
NYTMN (km.):	4741.356	NYTME (km.):	608.839	Building: 37
Emission Point:	37905			
Height (ft.):	45	Diameter (in.):	2	
NYTMN (km.):	4741.367	NYTME (km.):	608.839	Building: 37

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Emission Point: 37907	Height (ft.): 13	Diameter (in.): 1	
	NYTMN (km.): 4741.318	NYTME (km.): 608.797	Building: 37
Emission Point: 37909	Height (ft.): 25	Diameter (in.): 1	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37910	Height (ft.): 25	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37911	Height (ft.): 54	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37917	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.367	NYTME (km.): 608.791	Building: 37
Emission Point: 37918	Height (ft.): 13	Diameter (in.): 1	
	NYTMN (km.): 4741.37	NYTME (km.): 608.789	Building: 37
Emission Point: 37920	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.376	NYTME (km.): 608.788	Building: 37
Emission Point: 37921	Height (ft.): 25	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37922	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37923	Height (ft.): 41	Diameter (in.): 2	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37925	Height (ft.): 15	Diameter (in.): 2	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37926	Height (ft.): 10	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37932	Height (ft.): 21	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.836	Building: 37

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Emission Point: 37934	Height (ft.): 43	Diameter (in.): 11	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37941	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.738	NYTME (km.): 608.783	Building: 37
Emission Point: 37942	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.375	NYTME (km.): 608.797	Building: 37
Emission Point: 37943	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.373	NYTME (km.): 608.798	Building: 37
Emission Point: 37944	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.373	NYTME (km.): 608.797	Building: 37
Emission Point: 37945	Height (ft.): 19	Diameter (in.): 1	
	NYTMN (km.): 4741.361	NYTME (km.): 608.786	Building: 37
Emission Point: 37946	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.356	NYTME (km.): 608.838	Building: 37
Emission Point: 37947	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.355	NYTME (km.): 608.838	Building: 37
Emission Point: 37951	Height (ft.): 36	Diameter (in.): 2	
	NYTMN (km.): 4741.351	NYTME (km.): 608.844	Building: 37
Emission Point: 37952	Height (ft.): 64	Diameter (in.): 2	
	NYTMN (km.): 4741.356	NYTME (km.): 608.837	Building: 37
Emission Point: 37956	Height (ft.): 43	Diameter (in.): 1	
	NYTMN (km.): 4741.349	NYTME (km.): 608.841	Building: 37
Emission Point: 37957	Height (ft.): 44	Diameter (in.): 1	
	NYTMN (km.): 4741.36	NYTME (km.): 608.822	Building: 37
Emission Point: 37958	Height (ft.): 44	Diameter (in.): 1	
	NYTMN (km.): 4741.323	NYTME (km.): 608.797	Building: 37

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Emission Point: 37960	Height (ft.): 43	Diameter (in.): 21	
	NYTMN (km.): 4741.354	NYTME (km.): 608.842	Building: 37
Emission Point: 37961	Height (ft.): 28	Diameter (in.): 2	
	NYTMN (km.): 4741.325	NYTME (km.): 608.775	Building: 37
Emission Point: 37962	Height (ft.): 28	Diameter (in.): 2	
	NYTMN (km.): 4741.322	NYTME (km.): 608.77	Building: 37
Emission Point: 38006	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.281	NYTME (km.): 609.019	Building: 38
Emission Point: 38007	Height (ft.): 20	Diameter (in.): 1	
	NYTMN (km.): 4741.281	NYTME (km.): 609.019	Building: 38
Emission Point: 38018	Height (ft.): 1	Diameter (in.): 1	
	NYTMN (km.): 4741.28	NYTME (km.): 609.018	Building: 38
Emission Point: 48001	Height (ft.): 38	Diameter (in.): 3	
	NYTMN (km.): 4741.511	NYTME (km.): 608.844	Building: 48
Emission Point: 70001	Height (ft.): 22	Diameter (in.): 8	
	NYTMN (km.): 4741.434	NYTME (km.): 608.647	Building: 70
Emission Point: 70003	Height (ft.): 22	Diameter (in.): 8	
	NYTMN (km.): 4741.434	NYTME (km.): 608.647	Building: 70
Emission Point: 70006	Height (ft.): 27	Diameter (in.): 8	
	NYTMN (km.): 4741.373	NYTME (km.): 608.532	Building: 76
Emission Point: 71001	Height (ft.): 55	Diameter (in.): 20	
	NYTMN (km.): 4741.427	NYTME (km.): 608.655	Building: 71
Emission Point: 71003	Height (ft.): 43	Diameter (in.): 2	
	NYTMN (km.): 4741.427	NYTME (km.): 608.655	Building: 71
Emission Point: 71005	Height (ft.): 45	Diameter (in.): 18	
	NYTMN (km.): 4741.427	NYTME (km.): 608.655	Building: 71

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Emission Point: 71013	Height (ft.): 30	Diameter (in.): 5	
	NYTMN (km.): 4741.267	NYTME (km.): 608.675	Building: 71
Emission Point: 76001	Height (ft.): 115	Diameter (in.): 12	
	NYTMN (km.): 4741.307	NYTME (km.): 608.467	Building: 76
Emission Point: 76005	Height (ft.): 0	Diameter (in.): 6	
	NYTMN (km.): 4741.307	NYTME (km.): 608.466	Building: 76
Emission Point: 76009	Height (ft.): 24	Diameter (in.): 2	
	NYTMN (km.): 4741.268	NYTME (km.): 608.462	Building: 76
Emission Point: 76012	Height (ft.): 33	Diameter (in.): 2	
	NYTMN (km.): 4741.282	NYTME (km.): 608.429	Building: 76
Emission Point: 76013	Height (ft.): 23	Diameter (in.): 2	
	NYTMN (km.): 4741.304	NYTME (km.): 608.438	Building: 76
Emission Point: 76014	Height (ft.): 23	Diameter (in.): 2	
	NYTMN (km.): 4741.306	NYTME (km.): 608.431	Building: 76
Emission Point: 76701	Height (ft.): 81	Diameter (in.): 18	
	NYTMN (km.): 4741.307	NYTME (km.): 608.465	Building: 76
Emission Point: 76710	Height (ft.): 0	Diameter (in.): 24	
	NYTMN (km.): 4741.308	NYTME (km.): 608.466	Building: 76
Emission Point: 76711	Height (ft.): 0	Diameter (in.): 24	
	NYTMN (km.): 4741.307	NYTME (km.): 608.466	Building: 76
Emission Point: 76712	Height (ft.): 25	Diameter (in.): 2	
	NYTMN (km.): 4741.307	NYTME (km.): 608.466	Building: 76
Emission Point: 76713	Height (ft.): 25	Diameter (in.): 2	
	NYTMN (km.): 4741.308	NYTME (km.): 608.466	Building: 76
Emission Point: 76714	Height (ft.): 25	Diameter (in.): 2	
	NYTMN (km.): 4741.308	NYTME (km.): 608.466	Building: 76

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Emission Point: 76715	Height (ft.): 8	Diameter (in.): 1	NYTMN (km.): 4741.281	NYTME (km.): 608.483	Building: 76
Emission Point: 76716	Height (ft.): 8	Diameter (in.): 1	NYTMN (km.): 4741.281	NYTME (km.): 608.481	Building: 76
Emission Point: 76718	Height (ft.): 25	Diameter (in.): 2	NYTMN (km.): 4741.308	NYTME (km.): 608.466	Building: 76
Emission Point: 76719	Height (ft.): 22	Diameter (in.): 24	NYTMN (km.): 4741.314	NYTME (km.): 608.473	Building: 76
Emission Point: 78001	Height (ft.): 133	Diameter (in.): 3	NYTMN (km.): 4741.404	NYTME (km.): 608.466	Building: 78
Emission Point: 78002	Height (ft.): 133	Diameter (in.): 2	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78
Emission Point: 78004	Height (ft.): 132	Diameter (in.): 16	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78
Emission Point: 78005	Height (ft.): 132	Diameter (in.): 8	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78
Emission Point: 78006	Height (ft.): 58	Diameter (in.): 2	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78
Emission Point: 78007	Height (ft.): 58	Diameter (in.): 2	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78
Emission Point: 78009	Height (ft.): 24	Diameter (in.): 1	NYTMN (km.): 4741.404	NYTME (km.): 608.465	Building: 78
Emission Point: 78011	Height (ft.): 50	Diameter (in.): 3	NYTMN (km.): 4741.404	NYTME (km.): 608.465	Building: 78
Emission Point: 78015	Height (ft.): 60	Diameter (in.): 2	NYTMN (km.): 4741.405	NYTME (km.): 608.465	Building: 78

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Emission Unit: C-27035

Emission Point: 27035

Height (ft.): 21 Diameter (in.): 4
 NYTMN (km.): 4741.219 NYTME (km.): 608.807 Building: 27

Emission Point: 27039

Height (ft.): 55 Diameter (in.): 2
 NYTMN (km.): 4741.212 NYTME (km.): 608.847 Building: 27

Item 222.3:

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

Emission Unit: F-INISH

Emission Point: 21101

Height (ft.): 10 Diameter (in.): 9
 NYTMN (km.): 4741.247 NYTME (km.): 608.934 Building: 21

Emission Point: 23100

Height (ft.): 18 Diameter (in.): 2
 NYTMN (km.): 4741.187 NYTME (km.): 609.036 Building: 23

Emission Point: 23101

Height (ft.): 24 Diameter (in.): 2
 NYTMN (km.): 4741.255 NYTME (km.): 609.007 Building: 23

Emission Point: 23103

Height (ft.): 18 Diameter (in.): 2
 NYTMN (km.): 4741.305 NYTME (km.): 608.43 Building: 23

Emission Point: 23104

Height (ft.): 18 Diameter (in.): 2
 NYTMN (km.): 4741.28 NYTME (km.): 609.006 Building: 23

Emission Point: 24116

Height (ft.): 12 Diameter (in.): 3
 NYTMN (km.): 4741.25 NYTME (km.): 609.008 Building: 23

Emission Point: 24132

Height (ft.): 21 Diameter (in.): 8
 NYTMN (km.): 4741.173 NYTME (km.): 609.036 Building: 24

Emission Point: 24133

Height (ft.): 4 Diameter (in.): 2
 NYTMN (km.): 4741.173 NYTME (km.): 609.037 Building: 24

Emission Point: 24134

Height (ft.): 55 Diameter (in.): 2
 NYTMN (km.): 4741.173 NYTME (km.): 609.037 Building: 24

Emission Point: 24135

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Height (ft.): 55	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 24
Emission Point: 24136		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4741.174	NYTME (km.): 609.041	Building: 24
Emission Point: 24137		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 23
Emission Point: 24138		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 23
Emission Point: 24139		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 23
Emission Point: 24140		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.037	Building: 23
Emission Point: 24205		
Height (ft.): 42	Diameter (in.): 1	
NYTMN (km.): 4741.167	NYTME (km.): 609.015	Building: 24
Emission Point: 24207		
Height (ft.): 118	Diameter (in.): 3	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24209		
Height (ft.): 23	Diameter (in.): 2	
NYTMN (km.): 4741.18	NYTME (km.): 609.04	Building: 24
Emission Point: 24210		
Height (ft.): 38	Diameter (in.): 2	
NYTMN (km.): 4741.172	NYTME (km.): 609.044	Building: 24
Emission Point: 24211		
Height (ft.): 23	Diameter (in.): 2	
NYTMN (km.): 4741.18	NYTME (km.): 609.042	Building: 24
Emission Point: 24302		
Height (ft.): 136	Diameter (in.): 2	
NYTMN (km.): 4741.174	NYTME (km.): 609.041	Building: 24
Emission Point: 24305		
Height (ft.): 106	Diameter (in.): 3	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24308		

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Height (ft.): 82	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24309		
Height (ft.): 12	Diameter (in.): 3	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24311		
Height (ft.): 22	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24312		
Height (ft.): 134	Diameter (in.): 1	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24402		
Height (ft.): 60	Diameter (in.): 2	
NYTMN (km.): 4741.165	NYTME (km.): 609.014	Building: 24
Emission Point: 24404		
Height (ft.): 43	Diameter (in.): 2	
NYTMN (km.): 4741.167	NYTME (km.): 609.015	Building: 24
Emission Point: 24405		
Height (ft.): 43	Diameter (in.): 1	
NYTMN (km.): 4741.167	NYTME (km.): 609.015	Building: 24
Emission Point: 24409		
Height (ft.): 12	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24413		
Height (ft.): 30	Diameter (in.): 19	
NYTMN (km.): 4741.174	NYTME (km.): 609.041	Building: 24
Emission Point: 24414		
Height (ft.): 65	Diameter (in.): 19	
NYTMN (km.): 4741.174	NYTME (km.): 609.041	Building: 24
Emission Point: 24702		
Height (ft.): 4	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24704		
Height (ft.): 4	Diameter (in.): 2	
NYTMN (km.): 4741.173	NYTME (km.): 609.036	Building: 24
Emission Point: 24806		
Height (ft.): 32	Diameter (in.): 2	
NYTMN (km.): 4741.239	NYTME (km.): 609.004	Building: 23
Emission Point: 24909		

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Height (ft.): 4 Diameter (in.): 1
 NYTMN (km.): 4741.174 NYTME (km.): 609.041 Building: 24

Emission Point: 24934
 Height (ft.): 24 Diameter (in.): 2
 NYTMN (km.): 4741.174 NYTME (km.): 609.041 Building: 24

Emission Point: 24942
 Height (ft.): 19 Diameter (in.): 2
 NYTMN (km.): 4741.145 NYTME (km.): 609.023 Building: 24

Emission Point: 24943
 Height (ft.): 19 Diameter (in.): 1
 NYTMN (km.): 4741.142 NYTME (km.): 609.021 Building: 24

Emission Point: 24944
 Height (ft.): 0 Diameter (in.): 24
 NYTMN (km.): 4741.174 NYTME (km.): 609.036 Building: 24

Emission Point: 24945
 Height (ft.): 0 Diameter (in.): 24
 NYTMN (km.): 4741.174 NYTME (km.): 609.036 Building: 24

Emission Point: 24972
 Height (ft.): 19 Diameter (in.): 2
 NYTMN (km.): 4741.142 NYTME (km.): 609.023 Building: 24

Emission Point: 27102
 Height (ft.): 7 Diameter (in.): 11
 NYTMN (km.): 4741.221 NYTME (km.): 608.811 Building: 27

Emission Point: 30001
 Height (ft.): 35 Diameter (in.): 8
 NYTMN (km.): 4741.349 NYTME (km.): 608.946 Building: 30

Emission Point: 30910
 Height (ft.): 15 Diameter (in.): 1
 NYTMN (km.): 4741.348 NYTME (km.): 608.94 Building: 30

Emission Point: 30911
 Height (ft.): 15 Diameter (in.): 1
 NYTMN (km.): 4741.348 NYTME (km.): 608.939 Building: 30

Emission Point: 30932
 Height (ft.): 25 Diameter (in.): 1
 NYTMN (km.): 4741.349 NYTME (km.): 608.945 Building: 30

Emission Point: 30933
 Height (ft.): 18 Diameter (in.): 2
 NYTMN (km.): 4741.348 NYTME (km.): 608.94 Building: 30

Emission Point: 30935

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Height (ft.): 18	Diameter (in.): 2	
NYTMN (km.): 4741.348	NYTME (km.): 608.939	Building: 30
Emission Point: 31003		
Height (ft.): 26	Diameter (in.): 23	
NYTMN (km.): 4741.336	NYTME (km.): 609.031	Building: 30
Emission Point: 31501		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31502		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31503		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31504		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31505		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31506		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.34	NYTME (km.): 608.919	
Emission Point: 31507		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.341	NYTME (km.): 608.919	
Emission Point: 31508		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.341	NYTME (km.): 608.919	
Emission Point: 32007		
Height (ft.): 28	Diameter (in.): 27	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32008		
Height (ft.): 26	Diameter (in.): 29	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32009		
Height (ft.): 26	Diameter (in.): 29	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32016		

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Height (ft.): 26	Diameter (in.): 29	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32017		
Height (ft.): 26	Diameter (in.): 29	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32026		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32027		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32028		
Height (ft.): 42	Diameter (in.): 4	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32033		
Height (ft.): 1	Diameter (in.): 1	
NYTMN (km.): 4741.264	NYTME (km.): 608.906	Building: 30
Emission Point: 32040		
Height (ft.): 26	Diameter (in.): 6	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 32042		
Height (ft.): 26	Diameter (in.): 6	
NYTMN (km.): 4741.337	NYTME (km.): 608.864	Building: 30
Emission Point: 32044		
Height (ft.): 26	Diameter (in.): 6	
NYTMN (km.): 4741.337	NYTME (km.): 608.864	Building: 30
Emission Point: 32046		
Height (ft.): 22	Diameter (in.): 24	
NYTMN (km.): 4741.289	NYTME (km.): 608.879	Building: 30
Emission Point: 32049		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.337	NYTME (km.): 608.864	Building: 30
Emission Point: 32050		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.336	NYTME (km.): 608.864	Building: 30
Emission Point: 33002		
Height (ft.): 28	Diameter (in.): 23	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33003		

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Height (ft.): 28	Diameter (in.): 23	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33004		
Height (ft.): 28	Diameter (in.): 23	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33016		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.393	NYTME (km.): 608.906	Building: 30
Emission Point: 33017		
Height (ft.): 29	Diameter (in.): 2	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33024		
Height (ft.): 23	Diameter (in.): 3	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33025		
Height (ft.): 38	Diameter (in.): 2	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 33
Emission Point: 33027		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.312	NYTME (km.): 608.881	Building: 30
Emission Point: 33028		
Height (ft.): 26	Diameter (in.): 1	
NYTMN (km.): 4741.312	NYTME (km.): 608.881	Building: 30
Emission Point: 33902		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33903		
Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33904		
Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33906		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.325	NYTME (km.): 608.865	Building: 30
Emission Point: 33908		
Height (ft.): 24	Diameter (in.): 1	
NYTMN (km.): 4741.312	NYTME (km.): 608.906	Building: 30
Emission Point: 33909		

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Height (ft.): 24	Diameter (in.): 1	
NYTMN (km.): 4741.312	NYTME (km.): 608.906	Building: 30
Emission Point: 37001		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37003		
Height (ft.): 41	Diameter (in.): 2	
NYTMN (km.): 4741.319	NYTME (km.): 608.828	Building: 37
Emission Point: 37005		
Height (ft.): 47	Diameter (in.): 8	
NYTMN (km.): 4741.322	NYTME (km.): 608.842	Building: 37
Emission Point: 37016		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37032		
Height (ft.): 25	Diameter (in.): 1	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37048		
Height (ft.): 43	Diameter (in.): 2	
NYTMN (km.): 4741.319	NYTME (km.): 608.826	Building: 37
Emission Point: 37049		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37050		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37101		
Height (ft.): 42	Diameter (in.): 2	
NYTMN (km.): 4741.323	NYTME (km.): 608.825	Building: 37
Emission Point: 37102		
Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.324	NYTME (km.): 608.824	Building: 37
Emission Point: 37103		
Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.319	NYTME (km.): 608.828	Building: 37
Emission Point: 37104		
Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.319	NYTME (km.): 608.826	Building: 37
Emission Point: 37105		

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Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.36	NYTME (km.): 608.822	Building: 37
Emission Point: 37701		
Height (ft.): 43	Diameter (in.): 8	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37816		
Height (ft.): 45	Diameter (in.): 2	
NYTMN (km.): 4741.349	NYTME (km.): 608.843	Building: 37
Emission Point: 37919		
Height (ft.): 25	Diameter (in.): 1	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37924		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 37935		
Height (ft.): 23	Diameter (in.): 1	
NYTMN (km.): 4741.376	NYTME (km.): 608.767	Building: 37
Emission Point: 37936		
Height (ft.): 2	Diameter (in.): 4	
NYTMN (km.): 4741.378	NYTME (km.): 608.765	Building: 37
Emission Point: 37937		
Height (ft.): 2	Diameter (in.): 4	
NYTMN (km.): 4741.375	NYTME (km.): 608.766	Building: 37
Emission Point: 37938		
Height (ft.): 2	Diameter (in.): 4	
NYTMN (km.): 4741.375	NYTME (km.): 608.767	Building: 37
Emission Point: 37939		
Height (ft.): 2	Diameter (in.): 4	
NYTMN (km.): 4741.367	NYTME (km.): 608.77	Building: 37
Emission Point: 37940		
Height (ft.): 16	Diameter (in.): 2	
NYTMN (km.): 4741.332	NYTME (km.): 608.783	Building: 37
Emission Point: 37948		
Height (ft.): 0	Diameter (in.): 24	
NYTMN (km.): 4741.362	NYTME (km.): 608.835	Building: 37
Emission Point: 38008		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.351	NYTME (km.): 608.813	Building: 38
Emission Point: 42001		

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Height (ft.): 32	Diameter (in.): 14	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42002		
Height (ft.): 32	Diameter (in.): 14	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42003		
Height (ft.): 32	Diameter (in.): 14	
NYTMN (km.): 4741.466	NYTME (km.): 608.89	Building: 42
Emission Point: 42004		
Height (ft.): 31	Diameter (in.): 14	
NYTMN (km.): 4741.49	NYTME (km.): 608.877	Building: 42
Emission Point: 42012		
Height (ft.): 30	Diameter (in.): 40	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42A
Emission Point: 42017		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42018		
Height (ft.): 15	Diameter (in.): 2	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42019		
Height (ft.): 34	Diameter (in.): 1	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42020		
Height (ft.): 34	Diameter (in.): 1	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 42021		
Height (ft.): 34	Diameter (in.): 1	
NYTMN (km.): 4741.467	NYTME (km.): 608.89	Building: 42
Emission Point: 44001		
Height (ft.): 20	Diameter (in.): 4	
NYTMN (km.): 4741.404	NYTME (km.): 608.841	
Emission Point: 44044		
Height (ft.): 20	Diameter (in.): 8	
NYTMN (km.): 4741.43	NYTME (km.): 608.59	
Emission Point: 61602		
Height (ft.): 20	Diameter (in.): 8	
NYTMN (km.): 4741.112	NYTME (km.): 608.51	Building: 61
Emission Point: 71010		

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Height (ft.): 12	Diameter (in.): 12	
NYTMN (km.): 4741.282	NYTME (km.): 608.651	Building: 71
Emission Point: 76006		
Height (ft.): 76	Diameter (in.): 6	
NYTMN (km.): 4741.303	NYTME (km.): 608.471	Building: 76
Emission Point: 76007		
Height (ft.): 76	Diameter (in.): 1	
NYTMN (km.): 4741.303	NYTME (km.): 608.471	Building: 76
Emission Point: 78008		
Height (ft.): 27	Diameter (in.): 1	
NYTMN (km.): 4741.437	NYTME (km.): 608.477	Building: 78
Emission Point: 78021		
Height (ft.): 11	Diameter (in.): 1	
NYTMN (km.): 4741.405	NYTME (km.): 608.471	Building: 78
Emission Point: 78022		
Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.405	NYTME (km.): 608.471	Building: 78
Emission Point: 78023		
Height (ft.): 15	Diameter (in.): 1	
NYTMN (km.): 4741.405	NYTME (km.): 608.47	Building: 78
Emission Point: 78024		
Height (ft.): 10	Diameter (in.): 1	
NYTMN (km.): 4741.405	NYTME (km.): 608.47	Building: 78
Emission Point: 78026		
Height (ft.): 2	Diameter (in.): 2	
NYTMN (km.): 4741.45	NYTME (km.): 608.47	Building: 78
Emission Point: 78033		
Height (ft.): 68	Diameter (in.): 2	
NYTMN (km.): 4741.407	NYTME (km.): 608.487	Building: 78
Emission Point: 78034		
Height (ft.): 41	Diameter (in.): 4	
NYTMN (km.): 4741.447	NYTME (km.): 608.458	Building: 78
Emission Point: 78035		
Height (ft.): 41	Diameter (in.): 4	
NYTMN (km.): 4741.448	NYTME (km.): 608.458	Building: 78
Emission Point: 78036		
Height (ft.): 58	Diameter (in.): 10	
NYTMN (km.): 4741.423	NYTME (km.): 608.474	Building: 78
Emission Point: 78037		

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Height (ft.): 32	Length (in.): 6	Width (in.): 12
NYTMN (km.): 4741.395	NYTME (km.): 608.453	Building: 78
Emission Point: 78038		
Height (ft.): 61	Diameter (in.): 10	
NYTMN (km.): 4741.416	NYTME (km.): 608.475	Building: 78
Emission Point: 78039		
Height (ft.): 58	Diameter (in.): 10	
NYTMN (km.): 4741.423	NYTME (km.): 608.474	Building: 78
Emission Point: 85001		
Height (ft.): 58	Diameter (in.): 6	
NYTMN (km.): 4741.695	NYTME (km.): 608.56	Building: 85
Emission Point: 85002		
Height (ft.): 105	Diameter (in.): 24	
NYTMN (km.): 4741.694	NYTME (km.): 608.461	Building: 85
Emission Point: 85003		
Height (ft.): 60	Diameter (in.): 8	
NYTMN (km.): 4741.694	NYTME (km.): 608.461	
Emission Point: 85004		
Height (ft.): 107	Diameter (in.): 2	
NYTMN (km.): 4741.694	NYTME (km.): 608.461	Building: 85
Emission Point: 85005		
Height (ft.): 21	Diameter (in.): 1	
NYTMN (km.): 4741.723	NYTME (km.): 608.631	Building: 85
Emission Point: 85006		
Height (ft.): 36	Diameter (in.): 1	
NYTMN (km.): 4741.694	NYTME (km.): 608.461	Building: 85
Emission Point: 85008		
Height (ft.): 36	Diameter (in.): 3	
NYTMN (km.): 4741.694	NYTME (km.): 608.461	Building: 85
Emission Point: 85013		
Height (ft.): 105	Diameter (in.): 2	
NYTMN (km.): 4741.694	NYTME (km.): 608.46	Building: 85
Emission Point: 85017		
Height (ft.): 35	Diameter (in.): 8	
NYTMN (km.): 4741.752	NYTME (km.): 608.677	Building: 85
Emission Point: 85020		
Height (ft.): 16	Diameter (in.): 1	
NYTMN (km.): 4741.694	NYTME (km.): 608.46	Building: 85
Emission Point: 85025		

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Height (ft.): 25	Diameter (in.): 6	
NYTMN (km.): 4741.732	NYTME (km.): 608.648	Building: 85
Emission Point: 85032		
Height (ft.): 20	Diameter (in.): 1	
NYTMN (km.): 4741.694	NYTME (km.): 608.46	Building: 85
Emission Point: 85043		
Height (ft.): 25	Diameter (in.): 6	
NYTMN (km.): 4741.72	NYTME (km.): 608.647	Building: 85
Emission Point: 85044		
Height (ft.): 25	Diameter (in.): 6	
NYTMN (km.): 4741.729	NYTME (km.): 608.656	Building: 85
Emission Point: 85045		
Height (ft.): 43	Length (in.): 12	Width (in.): 8
NYTMN (km.): 4741.686	NYTME (km.): 608.573	Building: 85
Emission Point: 85046		
Height (ft.): 40	Length (in.): 6	Width (in.): 7
NYTMN (km.): 4741.707	NYTME (km.): 608.536	Building: 85
Emission Point: 85054		
Height (ft.): 10	Diameter (in.): 8	
NYTMN (km.): 4741.694	NYTME (km.): 608.46	Building: 85
Emission Point: 85059		
Height (ft.): 16	Diameter (in.): 8	
NYTMN (km.): 4741.695	NYTME (km.): 608.46	Building: 85
Emission Point: 85068		
Height (ft.): 40	Length (in.): 6	Width (in.): 7
NYTMN (km.): 4741.707	NYTME (km.): 608.536	Building: 85
Emission Point: 85901		
Height (ft.): 25	Diameter (in.): 6	
NYTMN (km.): 4741.725	NYTME (km.): 608.643	Building: 85
Emission Point: 85902		
Height (ft.): 25	Diameter (in.): 6	
NYTMN (km.): 4741.73	NYTME (km.): 608.652	Building: 85
Emission Point: 85903		
Height (ft.): 23	Diameter (in.): 1	
NYTMN (km.): 4741.694	NYTME (km.): 608.46	Building: 85
Emission Point: 85906		
Height (ft.): 2	Diameter (in.): 4	
NYTMN (km.): 4741.692	NYTME (km.): 608.565	Building: 85
Emission Point: 85907		

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Emission Unit: U-28002

Emission Point: 28002
 Height (ft.): 100 Diameter (in.): 72
 NYTMN (km.): 4741.141 NYTME (km.): 608.907 Building: 28

Emission Point: 28006
 Height (ft.): 150 Diameter (in.): 71
 NYTMN (km.): 4741.17 NYTME (km.): 608.905 Building: 28

Emission Point: 28020
 Height (ft.): 50 Diameter (in.): 72
 NYTMN (km.): 4741.15 NYTME (km.): 608.927 Building: 28

Item 222.8:

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

Emission Unit: U-28003

Emission Point: 28003
 Height (ft.): 100 Diameter (in.): 96
 NYTMN (km.): 4741.162 NYTME (km.): 608.919 Building: 28

Emission Point: 28004
 Height (ft.): 100 Diameter (in.): 54
 NYTMN (km.): 4741.139 NYTME (km.): 608.917 Building: 28

Item 222.9:

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

Emission Unit: W-97004

Emission Point: 97004
 Height (ft.): 15 Diameter (in.): 6
 NYTMN (km.): 4741.048 NYTME (km.): 609.21 Building: 97

Emission Point: 97005
 Height (ft.): 15 Diameter (in.): 6
 NYTMN (km.): 4741.049 NYTME (km.): 609.21 Building: 97

Emission Point: 97008
 Height (ft.): 24 Diameter (in.): 4
 NYTMN (km.): 4741.048 NYTME (km.): 609.21 Building: 97

Emission Point: 97013
 Height (ft.): 25 Diameter (in.): 4
 NYTMN (km.): 4741.037 NYTME (km.): 609.252 Building: 97

Emission Point: 97015
 Height (ft.): 25 Diameter (in.): 4
 NYTMN (km.): 4741.037 NYTME (km.): 609.252 Building: 97

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Emission Point: 97016
 Height (ft.): 25 Diameter (in.): 4
 NYTMN (km.): 4741.144 NYTME (km.): 609.252 Building: 97

Emission Point: 97018
 Height (ft.): 32 Diameter (in.): 4
 NYTMN (km.): 4741.144 NYTME (km.): 609.206 Building: 97

Emission Point: 97019
 Height (ft.): 32 Diameter (in.): 2
 NYTMN (km.): 4741.146 NYTME (km.): 609.208 Building: 97

Emission Point: 97060
 Height (ft.): 24 Diameter (in.): 4
 NYTMN (km.): 4741.003 NYTME (km.): 609.196 Building: 97

Emission Point: 97063
 Height (ft.): 24 Diameter (in.): 6
 NYTMN (km.): 4741.169 NYTME (km.): 609.307 Building: 97

Emission Point: 97064
 Height (ft.): 24 Diameter (in.): 6
 NYTMN (km.): 4741.169 NYTME (km.): 609.307 Building: 97

Emission Point: 97100
 Height (ft.): 9 Diameter (in.): 2
 NYTMN (km.): 4741.093 NYTME (km.): 609.188

Condition 223: Process Definition By Emission Unit
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 223.1:

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

Emission Unit: C-27018
 Process: 005 Source Classification Code: 3-01-999-99
 Process Description:

The PK10 (Polykettle 10) system is a batch system used to make silicone polymers. It may make products subject to 40 CFR 63 Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system vents through EPs 78032/78015 and 78016.

Emission Source/Control: 78PC1 - Control
 Control Type: PACKED-GAS ABSORPTION SYSTEM

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Emission Source/Control: 78RVC - Process

Item 223.2:

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

Emission Unit: C-27018

Process: 007

Source Classification Code: 3-01-999-99

Process Description:

The 40 gallon Ross Mixer system is a batch system operated by building 30. It makes products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The mixer vents through EP 14006.

Emission Source/Control: 14RMX - Process

Item 223.3:

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

Emission Unit: C-27018

Process: 008

Source Classification Code: 3-01-999-99

Process Description:

The building 37 Cracker system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system vents through EPs 37952, 37901 and 37902.

Emission Source/Control: 37CE2 - Process

Emission Source/Control: 37CRE - Process

Item 223.4:

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

Emission Unit: C-27018

Process: 012

Source Classification Code: 3-01-999-99

Process Description:

The PK12 (Polykettle 12) system is a batch system used to make silicone polymers. It may make products subject to 40 CFR 63 Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated

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cleanouts. The system vents through EP 78018 or EP 78019.

Emission Source/Control: 78PK2 - Process

Emission Source/Control: 78VES - Process

Item 223.5:

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

Emission Unit: C-27018

Process: 023

Source Classification Code: 3-01-999-99

Process Description:

PK1 (Polykettle 1) is a Group 1 batch vent system subject to the regulations of 40 CFR 63, Subpart FFFF. This polykettle system is connected to the Building 30 vent header which in turn vents to the compressor knockout tank and then through the MON MACT vent header to the Fixed Box Incinerator at EP 97001/97002 or the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control

Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: D4CNB - Process

Emission Source/Control: D4CON - Process

Emission Source/Control: PESV1 - Process

Emission Source/Control: PESV2 - Process

Emission Source/Control: PESV3 - Process

Emission Source/Control: PESV4 - Process

Emission Source/Control: POLY1 - Process

Emission Source/Control: POLY2 - Process

Item 223.6:

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

Emission Unit: C-27018

Process: 024

Source Classification Code: 3-01-999-99

Process Description:

PK2 (Polykettle 2) is a Group 1 batch vent system subject to the regulations of 40 CFR 63, Subpart FFFF. This

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polykettle system is connected to the Building 30 vent header which in turn vents to the compressor knockout tank and then through the MON MACT vent header to the Fixed Box Incinerator at EP 97001/97002 or the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control
Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: D4CNB - Process

Emission Source/Control: D4CON - Process

Emission Source/Control: PESV1 - Process

Emission Source/Control: PESV2 - Process

Emission Source/Control: PESV3 - Process

Emission Source/Control: PESV4 - Process

Item 223.7:

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

Emission Unit: C-27018

Process: 025

Source Classification Code: 3-01-999-99

Process Description:

PK3 (Polykettle 3) is a Group 1 batch vent system subject to the regulations of 40 CFR 63, Subpart FFFF. This polykettle system is connected to the Building 30 vent header which in turn vents to the compressor knockout tank and then through the MON MACT vent header to the Fixed Box Incinerator at EP 97001/97002 or the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control
Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: D4CNB - Process

Emission Source/Control: D4CON - Process

Emission Source/Control: PESV1 - Process

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Emission Source/Control: PESV2 - Process

Emission Source/Control: PESV3 - Process

Emission Source/Control: PESV4 - Process

Emission Source/Control: POLY3 - Process

Item 223.8:

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

Emission Unit: C-27018

Process: 026

Source Classification Code: 3-01-999-99

Process Description:

PK5 (Polykettle 5) is a Group 1 batch vent system subject to the regulations of 40 CFR 63, Subpart FFFF. This polykettle system is connected to the Building 30 vent header which in turn vents to the compressor knockout tank and then through the MON MACT vent header to the Fixed Box Incinerator at EP 97001/97002 or the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control
Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: D4CNB - Process

Emission Source/Control: D4CON - Process

Emission Source/Control: PESV1 - Process

Emission Source/Control: PESV2 - Process

Emission Source/Control: PESV3 - Process

Emission Source/Control: PESV4 - Process

Emission Source/Control: POLY5 - Process

Item 223.9:

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

Emission Unit: C-27018

Process: 039

Source Classification Code: 3-01-999-99

Process Description:

The 300 gallon glass reactor system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs

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and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37040, 37021, 37060, 37066 and 37083.

Emission Source/Control: 37EJV - Process

Emission Source/Control: 37GLR - Process
Design Capacity: 300 gallons

Emission Source/Control: 37GPR - Process

Item 223.10:

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

Emission Unit: C-27018

Process: 040

Source Classification Code: 3-01-999-99

Process Description:

The east hydrolyzer system and east filter aid kettle (FAK) are used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 76001, 76004, 76009, 76710, 76711, 76714.

Emission Source/Control: 76CV4 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76CV5 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76EAS - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 76ESC - Control
Control Type: FABRIC FILTER

Emission Source/Control: 76EWS - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: 76CH1 - Process

Emission Source/Control: 76EFK - Process

Emission Source/Control: 76EHC - Process

Emission Source/Control: 76EHW - Process

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Emission Source/Control: 76EPT - Process

Emission Source/Control: 76ERC - Process

Emission Source/Control: 76ESB - Process

Emission Source/Control: 76WHC - Process

Emission Source/Control: 76WHR - Process

Emission Source/Control: 76WHW - Process

Emission Source/Control: 76WSW - Process

Item 223.11:

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

Emission Unit: C-27018

Process: 041

Source Classification Code: 3-01-026-30

Process Description:

The PK8 (Polykettle 8) system is a batch system used to make various oils and gums. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process also includes any cleanouts. The system vents through EP 30808 or EP 30918.

Emission Source/Control: PESV8 - Process

Emission Source/Control: POLY8 - Process

Item 223.12:

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

Emission Unit: C-27018

Process: 042

Source Classification Code: 3-01-999-99

Process Description:

The PK4 (Polykettle 4) system is a batch system used to make various oils and gums. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process also includes any cleanouts. The system vents through EP 30804 or EP 30914.

Emission Source/Control: PESV4 - Process

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Emission Source/Control: POLY4 - Process

Item 223.13:

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

Emission Unit: C-27018

Process: 043

Source Classification Code: 3-01-999-99

Process Description:

The PK6 (Polykettle 6) system is a batch system used to make various oils and gums. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process also includes any cleanouts. The system vents through EP 30806 or EP 30916 or to vent incineration at EP 97001/97002 or 97500.

Emission Source/Control: 30EVP - Process

Emission Source/Control: PESV6 - Process

Emission Source/Control: POLY6 - Process

Item 223.14:

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

Emission Unit: C-27018

Process: 045

Source Classification Code: 3-01-999-99

Process Description:

The PK7 (Polykettle 7) system is a batch system used to make various oils and gums. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non-MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process also includes any cleanouts. The system vents through EP 30807 or EP 30917.

Emission Source/Control: PESV7 - Process

Emission Source/Control: POLY7 - Process

Item 223.15:

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

Emission Unit: C-27018

Process: 047

Source Classification Code: 3-01-999-99

Process Description:

The west hydrolyzer system and west filter aid kettle

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(FAK) are used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The east hydrolyzer system vents through a vent gas scrubber to EP 76001. The system also includes EP 76005, EP 76710, EP 76711 and 76715.T

Emission Source/Control: 76CV5 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76EWS - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: 76WAS - Control
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 76WFK - Process

Emission Source/Control: 76WHC - Process

Emission Source/Control: 76WHR - Process

Emission Source/Control: 76WHW - Process

Emission Source/Control: 76WPT - Process

Emission Source/Control: 76WSB - Process

Emission Source/Control: 76WSW - Process

Item 223.16:

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

Emission Unit: C-27018

Process: 066

Source Classification Code: 3-01-026-30

Process Description:

The west blend tank system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EP 76712, 76713, 76718 and 76719.

Emission Source/Control: 76BCV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76ICV - Control

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Control Type: CONSERVATION VENT

Emission Source/Control: 76PCV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76B15 - Process

Emission Source/Control: 76BIT - Process

Emission Source/Control: 76IDM - Process

Emission Source/Control: 76PST - Process

Item 223.17:

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

Emission Unit: C-27018

Process: 073

Source Classification Code: 3-01-999-99

Process Description:

Manufacture of mixed cyclics in the cracker "C" and "D" systems. The system may vent through EPs 35006, 35007, 35009, 35010, 35011, 35016, 35040 and 35901.

Emission Source/Control: 35CSS - Control
Control Type: WET SCRUBBER

Emission Source/Control: 35CVA - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVG - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVH - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35539 - Process

Emission Source/Control: 35B51 - Process

Emission Source/Control: 35CCE - Process

Emission Source/Control: 35CHW - Process

Emission Source/Control: 35CIV - Process

Emission Source/Control: 35CPH - Process

Emission Source/Control: 35CRV - Process

Emission Source/Control: 35CWS - Process

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Emission Source/Control: 35DRV - Process

Emission Source/Control: 35GLY - Process

Emission Source/Control: 35LER - Process

Emission Source/Control: 35SOT - Process

Emission Source/Control: 35WES - Process

Item 223.18:

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

Emission Unit: C-27018

Process: 083

Source Classification Code: 3-01-999-99

Process Description:

The Building 23 blend tank system vents to the B24 MON MACT Water Scrubber (MTCSS) and compressor knockout tank (24KOT) and then through the MON MACT vent header to the Fixed Box Incinerator at EP 97001/97002 or the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control

Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: 23BT1 - Process

Emission Source/Control: 23BT2 - Process

Emission Source/Control: 23BT3 - Process

Emission Source/Control: 24KOT - Process

Emission Source/Control: MTCSS - Process

Item 223.19:

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

Emission Unit: C-27018

Process: 084

Source Classification Code: 3-01-999-99

Process Description:

The 300 gallon Stainless Steel Reactor system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system vents

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through EP 37804.

Emission Source/Control: 37SSR - Process
 Design Capacity: 300 gallons

Item 223.20:

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

Emission Unit: C-27018
 Process: 086 Source Classification Code: 3-01-999-99
 Process Description:

The 4M Dispersion Kettle/NPK Reactor may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any cleanouts. The system may vent through EPs 37017, 37020, 37078, 37089, 37033, 37707, 37902, 37952 or 37901

- Emission Source/Control: 374MD - Process
- Emission Source/Control: 374MK - Process
- Emission Source/Control: 37NPK - Process
- Emission Source/Control: 37PRV - Process

Item 223.21:

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

Emission Unit: C-27018
 Process: 087 Source Classification Code: 3-01-999-99
 Process Description:

The 2M Dispersion Kettle system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37011, EP 37080, 37081, or 37707.

- Emission Source/Control: 372MD - Process
- Emission Source/Control: 372MK - Process

Item 223.22:

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

Emission Unit: C-27018
 Process: 088 Source Classification Code: 3-01-999-99

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process Description:

The 2M Hydrolyzer system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37002, 37701, 37022, 37018, 37067, 37068, 37069, 37070, 37071, 37072 or 37004.

Emission Source/Control: 37100 - Process

Emission Source/Control: 372MH - Process

Emission Source/Control: 37CR4 - Process

Emission Source/Control: 37CRA - Process

Emission Source/Control: 37CRB - Process

Emission Source/Control: 37CRC - Process

Emission Source/Control: 37CRD - Process

Emission Source/Control: 37EJE - Process

Emission Source/Control: 37HAE - Process

Emission Source/Control: 37KOC - Process

Item 223.23:

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

Emission Unit: C-27018

Process: 092

Source Classification Code: 3-01-999-99

Process Description:

The 1M Fluorosilicone system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking as described in Process MN3. This process also includes as any cleanouts. The system vents through a vapor scrubber and ejector system to EP 71013.

Emission Source/Control: 71VCS - Control

Control Type: VAPOR RECOVERY SYSTEMS, REFRIGERATED
CONDENSER, GAS SCRUBBER (GENERAL)

Emission Source/Control: 71FR1 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 71FR2 - Process

Emission Source/Control: 71FSC - Process

Emission Source/Control: 71FSR - Process

Emission Source/Control: 71FWT - Process

Item 223.24:

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

Emission Unit: C-27018

Process: 096

Source Classification Code: 3-01-999-99

Process Description:

The Rodney Hunt system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37013, 37708, 37814, 37813, 37805, 37072, 37004, 37085 or 37021.

Emission Source/Control: 37RHE - Process

Emission Source/Control: 37RHS - Process

Emission Source/Control: RH502 - Process

Emission Source/Control: RHFTK - Process

Emission Source/Control: RHJOD - Process

Emission Source/Control: RHPTK - Process

Item 223.25:

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

Emission Unit: C-27018

Process: 100

Source Classification Code: 3-01-999-99

Process Description:

The CPU system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37010, 37019, 37023, 37026, 37027, 37033, 37062, 37063, 37064, 37901 and 37902.

Emission Source/Control: 37CVB - Control

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Control Type: CONSERVATION VENT

Emission Source/Control: 37CVZ - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37APV - Process

Emission Source/Control: 37CE1 - Process

Emission Source/Control: 37CPN - Process

Emission Source/Control: 37CPT - Process

Emission Source/Control: 37CST - Process

Emission Source/Control: 37D4F - Process

Emission Source/Control: 37VCU - Process

Item 223.26:

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

Emission Unit: C-27018

Process: 106

Source Classification Code: 3-01-999-99

Process Description:

The storage tanks vent through the intermediates vent scrubber and then to the atmosphere via EP 23002. The tanks have a nitrogen blanket or are under pressure.

Emission Source/Control: 23SCR - Control
Control Type: WET SCRUBBER

Emission Source/Control: 23HT1 - Process

Emission Source/Control: 23HT4 - Process

Emission Source/Control: 23RCD - Process

Emission Source/Control: 23TK4 - Process

Emission Source/Control: 23TK6 - Process

Emission Source/Control: 23TK8 - Process

Emission Source/Control: 23TK9 - Process

Emission Source/Control: 23TKU - Process

Emission Source/Control: 62CTA - Process

Emission Source/Control: 62T12 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 62T5C - Process

Emission Source/Control: 62T5E - Process

Emission Source/Control: 62TRI - Process

Item 223.27:

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

Emission Unit: C-27018

Process: 108

Source Classification Code: 3-01-999-99

Process Description:

The specialty kettle system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 76001, 76011 and 76005.

Emission Source/Control: 76EWS - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: 76CH3 - Process

Emission Source/Control: 76SPK - Process

Item 223.28:

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

Emission Unit: C-27018

Process: 109

Source Classification Code: 3-01-999-99

Process Description:

The dimethyl fluids equilibrators system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The dimethyl fluids equilibrators system may vent through emission points 37009, 37934, 37903, 37910, 37920, 37921, 37707, 37909, 37917, 48001. NOTE: Process Code 009 was removed at Renewal 3. It was combined with Process Code 109. Process Code 109 was retained.

Emission Source/Control: 37BDC - Control
Control Type: FABRIC FILTER

Emission Source/Control: 37CVL - Control
Control Type: CONSERVATION VENT

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Facility DEC ID: 5415400002

Emission Source/Control: 37CVS - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVT - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVU - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVX - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37BDD - Process

Emission Source/Control: 37FAT - Process

Emission Source/Control: 37FBP - Process

Emission Source/Control: 37FEF - Process

Emission Source/Control: 37GV3 - Process
Design Capacity: 3,000 gallons

Emission Source/Control: 37ST2 - Process

Emission Source/Control: 37ST3 - Process

Emission Source/Control: 37ST4 - Process

Emission Source/Control: 37ST5 - Process

Emission Source/Control: 37ST7 - Process

Emission Source/Control: 37ST8 - Process

Emission Source/Control: 37TA3 - Process

Emission Source/Control: 48VSS - Process

Item 223.29:

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

Emission Unit: C-27018

Process: 112

Source Classification Code: 3-01-999-99

Process Description:

The 3M Filter Aid Kettle (FAK) system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs

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and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37039, 37038, 37905 and 37827.

Emission Source/Control: 37CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CV3 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 373MF - Process

Emission Source/Control: 37FAK - Process
Design Capacity: 500 gallons

Emission Source/Control: 37FPC - Process

Emission Source/Control: 37PLT - Process

Item 223.30:

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

Emission Unit: C-27018

Process: 114

Source Classification Code: 3-01-999-99

Process Description:

The 1500 gallon glass (1500 PUFA) reactor system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 37019, 37042, 37045, 37044, 37041, 37812 and 37827.

Emission Source/Control: 37GW7 - Process
Design Capacity: 750 gallons

Emission Source/Control: 37MVS - Process

Emission Source/Control: 37P15 - Process

Emission Source/Control: 37PLT - Process

Emission Source/Control: 37PSR - Process

Item 223.31:

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

Emission Unit: C-27018

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Facility DEC ID: 5415400002

Process: 119 Source Classification Code: 3-01-999-99

Process Description:

The continuous hydrolysis loop system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are managed as described in process MN1. The process includes any associated cleanouts. The system may vent through EPs 24121(trivial), 24423, 24703, 24925, 24936, 24937, 24938, 24939, 24950, 24951, 24954 and 24962.

Emission Source/Control: 24HLS - Control
Control Type: WET SCRUBBER

Emission Source/Control: 244HD - Process

Emission Source/Control: 24CHL - Process

Emission Source/Control: 24CHT - Process

Emission Source/Control: 24ENZ - Process

Emission Source/Control: 24FK0 - Process

Emission Source/Control: 24FTO - Process

Emission Source/Control: 24HT1 - Process

Emission Source/Control: 24HT2 - Process

Emission Source/Control: 24HT4 - Process
Design Capacity: 400 gallons

Emission Source/Control: 24HTS - Process
Design Capacity: 400 gallons

Emission Source/Control: 24NSR - Process

Emission Source/Control: 24NVS - Process

Emission Source/Control: 24PRT - Process

Emission Source/Control: 24PST - Process

Emission Source/Control: 24SLT - Process

Emission Source/Control: 24SPK - Process

Emission Source/Control: 24T12 - Process

Emission Source/Control: 24WBN - Process

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Item 223.32:

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

Emission Unit: C-27018

Process: 121

Source Classification Code: 3-01-999-99

Process Description:

The 4M PUFA Reactor system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system vents through EPs 37007, 37077, 37034, 37014, 37041, 37019, 37801 and 37803.

Emission Source/Control: 374MP - Process

Emission Source/Control: 374ST - Process

Emission Source/Control: 37750 - Process

Emission Source/Control: 37PUR - Process

Item 223.33:

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

Emission Unit: C-27018

Process: 131

Source Classification Code: 3-01-999-99

Process Description:

The PK9 system may make products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPS 78006, 78011, 78007 and 78016.

Emission Source/Control: 78PK9 - Process

Emission Source/Control: 78PKE - Process

Emission Source/Control: 78PKV - Process

Item 223.34:

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

Emission Unit: C-27018

Process: 132

Source Classification Code: 3-01-999-99

Process Description:

The PK11 system may make products subject to 40 CFR Part 63 Subpart FFFF as well as non MON MACT products. Products

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made on this system that include HAPS and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated cleanouts. The system may vent through EPs 78017, 78016 and 78002.

Emission Source/Control: 78PC1 - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 78MVS - Process

Emission Source/Control: 78PFT - Process

Emission Source/Control: 78PK1 - Process

Item 223.35:

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

Emission Unit: C-27018

Process: 133

Source Classification Code: 3-01-999-99

Process Description:

The fluorosilicone cracker system may make products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPS and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process may operate in two different modes: initial startup, as well as a semi-continuous operation. This process includes any associated cleanouts. The system vents through EPs 78001 and 78031.

Emission Source/Control: 78FCB - Control
Control Type: FABRIC FILTER

Emission Source/Control: 78BUH - Process

Emission Source/Control: 78FSC - Process

Emission Source/Control: 78PEL - Process

Emission Source/Control: 78SEP - Process

Emission Source/Control: 78TTV - Process

Emission Source/Control: 78VS2 - Process

Item 223.36:

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

Emission Unit: C-27018

Process: 134

Source Classification Code: 3-01-999-99

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process Description:

The PK14 system may make products subject to 40 CFR Part 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPS and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated cleanouts. The system may vent through EPs 78025 and 78019. 78002.

Emission Source/Control: 78P14 - Process

Emission Source/Control: 78VES - Process

Item 223.37:

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

Emission Unit: C-27018

Process: 137

Source Classification Code: 3-01-999-99

Process Description:

The 500 gallon BK mixer system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPS and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process includes any associated cleanouts. The system vents through EPs 31022 and 31019.

Emission Source/Control: 31DB1 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 30BKM - Process

Emission Source/Control: 30BKP - Process

Item 223.38:

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

Emission Unit: C-27018

Process: 138

Source Classification Code: 4-90-001-99

Process Description:

The 200 gallon Reynolds mixer may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPS and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. The 200 gallon Reynolds mixer may vent through EPs 31046 and 31022. This process includes any associated cleanouts.

Emission Source/Control: 31DB1 - Control

Control Type: FABRIC FILTER

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Facility DEC ID: 5415400002

Emission Source/Control: 301OB - Process
Design Capacity: 15 gallons

Emission Source/Control: 302RM - Process
Design Capacity: 200 gallons

Emission Source/Control: 30DBP - Process

Item 223.39:

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

Emission Unit: C-27018

Process: 139

Source Classification Code: 3-01-999-99

Process Description:

The 3000 L North Drais mixer system may be used to make products subject to 40CFR 63, Subpart FFFF, as well as non MON MACT products. Products made on this system that contain HAPs and are subject to Subpart FFFF are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process includes any associated cleanouts. The system may vent through EPs 31030, 31031, 31034, 31036, 31037 and 31040.

Emission Source/Control: 31AMS - Control
Control Type: AMMONIA SCRUBBING

Emission Source/Control: 31DB2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 31DC1 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 31DMS - Control
Control Type: WET SCRUBBER

Emission Source/Control: 31FS1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 31APL - Process

Emission Source/Control: 31ESB - Process

Emission Source/Control: 31FKR - Process

Emission Source/Control: 31FP1 - Process

Emission Source/Control: 31FP2 - Process

Emission Source/Control: 31FP3 - Process

Emission Source/Control: 31GHV - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 31LKR - Process

Emission Source/Control: 31LNM - Process
Design Capacity: 3,000 liters

Emission Source/Control: 31LTS - Process

Emission Source/Control: 31NAS - Process

Emission Source/Control: 31NBH - Process

Emission Source/Control: 31NDM - Process

Emission Source/Control: 31RSR - Process

Emission Source/Control: 31TT1 - Process

Emission Source/Control: 31TT2 - Process

Emission Source/Control: 31WSB - Process

Item 223.40:

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

Emission Unit: C-27018

Process: 142

Source Classification Code: 3-01-999-99

Process Description:

The 3000 L South Drais mixer system may make products subject to 40CFR 63, Subpart FFFF, as well as non MON MACT products. Products made on this system that contain HAPs and are subject to Subpart FFFF are tracked under monthly MON MACT batch tracking and managed as described in process MN1. This process includes any associated cleanouts. The system vents through EPs 31030, 31031, 31032, 31034, 31035, 31036, 31037, 31040 and 31041.

Emission Source/Control: 31AMS - Control
Control Type: AMMONIA SCRUBBING

Emission Source/Control: 31DB2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 31DC1 - Control
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: 31DMS - Control
Control Type: WET SCRUBBER

Emission Source/Control: 31APL - Process

Emission Source/Control: 31ESB - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 31FKR - Process

Emission Source/Control: 31FP1 - Process

Emission Source/Control: 31FP2 - Process

Emission Source/Control: 31FP3 - Process

Emission Source/Control: 31FS2 - Process
Design Capacity: 3,000 liters

Emission Source/Control: 31GHV - Process

Emission Source/Control: 31LKR - Process

Emission Source/Control: 31LSM - Process
Design Capacity: 3,000 liters

Emission Source/Control: 31LTS - Process

Emission Source/Control: 31RSR - Process

Emission Source/Control: 31SAS - Process

Emission Source/Control: 31SFB - Process

Emission Source/Control: 31TT1 - Process

Emission Source/Control: 31TT2 - Process

Emission Source/Control: 31WSB - Process

Item 223.41:

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

Emission Unit: C-27018

Process: 146

Source Classification Code: 3-01-999-99

Process Description:

The 500 gallon Day mixer system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated cleanouts. The system may vent through EPS 31019 and 31022.

Emission Source/Control: 31DB1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 305GD - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 305VP - Process

Item 223.42:

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

Emission Unit: C-27018

Process: 153

Source Classification Code: 3-01-999-99

Process Description:

The artisan system consists may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The artisan system may vent through EPs 37911, 37901, 37902, 37958.

Emission Source/Control: 37CV5 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CVJ - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37AHT - Process

Design Capacity: 500 gallons

Emission Source/Control: 37ART - Process

Emission Source/Control: 37ASB - Process

Emission Source/Control: 37AVS - Process

Emission Source/Control: 37LST - Process

Item 223.43:

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

Emission Unit: C-27018

Process: 154

Source Classification Code: 3-01-999-99

Process Description:

The 1M Reactor system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking as described in Process MN1. This process also includes any associated cleanouts and the local ventilation system used to remove vapors during filter rebuild . The system may vent through EPS 71001 and 71003.

Emission Source/Control: 71RXS - Control

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Control Type: WET SCRUBBER

Emission Source/Control: 71CR1 - Process
 Design Capacity: 1,000 gallons

Emission Source/Control: 71KO1 - Process

Emission Source/Control: 71RT2 - Process

Emission Source/Control: 71WT7 - Process
 Design Capacity: 750 gallons

Item 223.44:

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

Emission Unit: C-27018

Process: 156

Source Classification Code: 3-01-999-99

Process Description:

The 3M Hydrolyzer system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system vents through EP 71001.

Emission Source/Control: 71HYS - Control
 Control Type: WET SCRUBBER

Emission Source/Control: 71HY3 - Process
 Design Capacity: 3,000 gallons

Emission Source/Control: 71SIL - Process
 Design Capacity: 1,500 gallons

Emission Source/Control: 71SWT - Process
 Design Capacity: 1,500 gallons

Item 223.45:

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

Emission Unit: C-27018

Process: 189

Source Classification Code: 3-01-999-99

Process Description:

The fluorosilicone doughmixer 'A' system many make products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products 09made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated cleanouts. The system vents through EPs 78001 and 78004.

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Facility DEC ID: 5415400002

Emission Source/Control: 78DME - Process

Emission Source/Control: 78FDM - Process

Emission Source/Control: 78LA1 - Process

Emission Source/Control: 78LA2 - Process

Emission Source/Control: 78LA3 - Process

Emission Source/Control: 78LA4 - Process

Emission Source/Control: 78LA5 - Process

Emission Source/Control: 78VS1 - Process

Item 223.46:

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

Emission Unit: C-27018

Process: 201

Source Classification Code: 3-85-001-10

Process Description:

This process represents heat exchange systems (cooling water) within the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Heat exchange systems subject to Subpart FFFF are summarized in the Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: HXCM1 - Process

Item 223.47:

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

Emission Unit: C-27018

Process: 205

Source Classification Code: 3-01-999-99

Process Description:

This process represents the management of Group 1 wastewater or residuals in containers. The Group 1 wastewater or residuals are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: CONM1 - Process

Item 223.48:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

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

Emission Unit: C-27018

Process: 209

Source Classification Code: 3-99-999-94

Process Description:

This process represents the management of Group 1 wastewater in individual drain systems. The Group 1 wastewater streams are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF This process represents the management of Group 1 wastewater in individual drain systems. The Group 1 wastewater streams are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: IDSM1 - Process

Item 223.49:

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

Emission Unit: C-27018

Process: 210

Source Classification Code: 3-01-820-10

Process Description:

This process represents the management of MON maintenance wastewater streams from unit C-27018 that are subject to 40 CFR 63, Subpart F.

Emission Source/Control: MWWM1 - Process

Item 223.50:

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

Emission Unit: C-27018

Process: 213

Source Classification Code: 3-01-820-10

Process Description:

This process represents the management of Group 1 process wastewater in tanks. The Group 1 wastewater is generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater storage tank determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: G1PW1 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 223.51:

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

Emission Unit: C-27018

Process: 217

Source Classification Code: 3-05-102-99

Process Description:

This process represents the treatment of Group 1 wastewater streams and/or residuals removed from Group 1 wastewater streams. The Group 1 wastewater or residuals are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: G1PT1 - Process

Item 223.52:

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

Emission Unit: C-27018

Process: 220

Source Classification Code: 3-01-070-02

Process Description:

This process represents any pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems in the unit C-27018 processes that are subject to the leak detection and repair requirements in 40 CFR 63, Subpart UU for MON MACT (40 CFR 63, Subpart FFFF) compliance. Each piece of equipment to which Subpart UU applies is identified in the LeakDAHS system. If any associated emissions occur, amounts are reported under Process FUG.

Emission Source/Control: FUGM1 - Process

Item 223.53:

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

Emission Unit: C-27018

Process: 300

Source Classification Code: 3-01-999-99

Process Description:

The fluorosilicone doughmixer 'B' system may make products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process includes any associated cleanouts. The system vents through EPs 78041 and 78042.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 78DMB - Process

Emission Source/Control: 78LA1 - Process

Emission Source/Control: 78LA2 - Process

Emission Source/Control: 78LA3 - Process

Emission Source/Control: 78LA4 - Process

Emission Source/Control: 78LA5 - Process

Item 223.54:

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

Emission Unit: C-27018

Process: 430

Source Classification Code: 3-01-999-99

Process Description:

Fixed Box Incinerator (FBI) Vent Mode Operation: The FBI is used to burn only process vents in this mode. This may include process vents from the WWTP clarifier air strippers (process 825), the WWTP tank farm header (process 705), the MON MACT vent header (processes 023, 024, 025, 026, 083, 715) or the MON MACT air strippers (process 705) and tanks. No hazardous waste is burned in this operation. Countercurrent scrubber # 1 and the IWS # 1 train may be off-line during this mode of operation. 40 CFR 63 Subpart G regulations apply during vent mode operation but Subpart EEE does not. This process vents through EP 97001 and/or EP 97002.

Emission Source/Control: FBCS1 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: FBCS2 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: FBIQU - Control

Control Type: SPRAY TOWER

Emission Source/Control: IWS11 - Control

Control Type: WET SCRUBBER

Emission Source/Control: IWS12 - Control

Control Type: WET SCRUBBER

Emission Source/Control: IWS21 - Control

Control Type: WET SCRUBBER

Emission Source/Control: IWS22 - Control

Control Type: WET SCRUBBER

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 93FBI - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: HAZARDOUS WASTE

Item 223.55:

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

Emission Unit: C-27018
Process: 701 Source Classification Code: 3-99-999-94

Process Description:

Material from TFE that has been stripped goes intermediate storage tank/blend tanks. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN1. The system may vent to atmosphere at EPs 37941, 37942, 37943, 37944, 36001, 37945 and 37946.

Emission Source/Control: 37CV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVN - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVP - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVQ - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVR - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVY - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVZ - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 36ST4 - Process

Emission Source/Control: 37TA1 - Process

Emission Source/Control: 37TA2 - Process

Emission Source/Control: 37TK0 - Process

Emission Source/Control: 37TK7 - Process

Emission Source/Control: 37TK8 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 37TK9 - Process

Item 223.56:

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

Emission Unit: C-27018

Process: 707

Source Classification Code: 3-01-840-01

Process Description:

The 117/118 column system vents through a knockout tank to EP 35031. The remaining vapors are sent to an eductor water unit, where the gases are mixed with tempered water and are sent to the chemical sewer.

Emission Source/Control: 35CSC - Control

Control Type: WET SCRUBBER

Emission Source/Control: 3517C - Process

Item 223.57:

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

Emission Unit: C-27018

Process: 715

Source Classification Code: 3-01-018-47

Process Description:

The MQ Resins system is a Group 1 batch system subject to 40 CFR 63, Subpart FFFF. The system vents through the MON MACT vent header to the fixed box incinerator at EP 97001/97002 or to the thermal oxidizer at EP 97500. This process includes any associated cleanouts.

Emission Source/Control: 97BAG - Control

Control Type: FABRIC FILTER

Emission Source/Control: 97OXI - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: 23APS - Process

Emission Source/Control: 24BLD - Process

Emission Source/Control: 24BOD - Process

Emission Source/Control: 24FAK - Process

Emission Source/Control: 24HYD - Process

Emission Source/Control: 24KOT - Process

Emission Source/Control: 24PRE - Process

Emission Source/Control: 24PSR - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 24PSS - Process

Emission Source/Control: 24RST - Process

Emission Source/Control: 24SIL - Process

Emission Source/Control: 24WSH - Process

Emission Source/Control: MQDIS - Process

Emission Source/Control: MQISO - Process

Emission Source/Control: MTCSS - Process

Item 223.58:

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

Emission Unit: C-27018

Process: 723

Source Classification Code: 3-99-999-94

Process Description:

The 25-gallon Ross mixer is used to mix silicone polymer. The mixer makes products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. The Ross mixer may vents through EP 30907 and EP 30938. This process includes any associated cleanouts.

Emission Source/Control: 30RM2 - Process

Item 223.59:

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

Emission Unit: C-27018

Process: 750

Source Classification Code: 3-01-999-99

Process Description:

The acid storage tank vents through the tank scrubber and then to the atmosphere via EP 23005. The tanks have a nitrogen blanket or are under pressure.

Emission Source/Control: 23BSS - Control

Control Type: WET SCRUBBER

Emission Source/Control: 23TNS - Process

Item 223.60:

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

Emission Unit: C-27018

Process: 753

Source Classification Code: 3-01-999-99

Process Description:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Building 35 storage tanks working and breathing losses that vent to atmosphere. All tanks have a nitrogen blank. Additionally, some tanks also have a pressure control valve present.

Emission Source/Control: 35CV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CV3 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CV4 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CV8 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVB - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVD - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVE - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVF - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35CVI - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 35538 - Process

Emission Source/Control: 35539 - Process

Emission Source/Control: 35596 - Process

Emission Source/Control: 35599 - Process

Emission Source/Control: 35992 - Process

Emission Source/Control: 35993 - Process

Emission Source/Control: 35T15 - Process

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Facility DEC ID: 5415400002

Emission Source/Control: 37MHT - Process

Emission Source/Control: 38ST7 - Process

Emission Source/Control: 38ST8 - Process

Emission Source/Control: 70HTE - Process

Emission Source/Control: 70HTW - Process

Item 223.61:

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

Emission Unit: C-27018

Process: 754

Source Classification Code: 3-01-999-99

Process Description:

Siloxane tank vapors vent through a wash scrubber before discharging to the atmosphere at EP 35018. During planned maintenance shutdowns flow may be reduced/stopped, but there may still be breathing losses from the tanks. All tanks are equipped with individual vacuum regulators to prevent vacuum damage to the tanks.

Emission Source/Control: 59911 - Process

Emission Source/Control: 59912 - Process

Emission Source/Control: 59913 - Process

Emission Source/Control: T5994 - Process

Emission Source/Control: T5995 - Process

Emission Source/Control: T5996 - Process

Item 223.62:

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

Emission Unit: C-27018

Process: 755

Source Classification Code: 3-01-999-99

Process Description:

The building 71 elephant trunks capture vapors from drumming stations and vent to atmosphere through a single location.

Emission Source/Control: 1FSET - Process

Emission Source/Control: 1MHET - Process

Emission Source/Control: 1MRET - Process

Emission Source/Control: 3MHET - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 223.63:

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

Emission Unit: C-27018
 Process: 758 Source Classification Code: 3-01-999-99
 Process Description:
 Building 37 elephant trunks vent directly to atmosphere.

Emission Source/Control: 372MW - Process

Emission Source/Control: 37ELP - Process

Emission Source/Control: 37ETV - Process

Emission Source/Control: 37FS1 - Process

Emission Source/Control: 37GPD - Process

Emission Source/Control: 37NDS - Process

Emission Source/Control: 37PET - Process
 Design Capacity: 4,000 gallons

Emission Source/Control: 37RDS - Process

Item 223.64:

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

Emission Unit: C-27018
 Process: 761 Source Classification Code: 3-01-999-99
 Process Description:
 107/108 Column vents through a vent knock out tank prior to venting to atmosphere at EP21011.

Emission Source/Control: 21COL - Process

Item 223.65:

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

Emission Unit: C-27018
 Process: 766 Source Classification Code: 3-01-999-98
 Process Description:
 Building 76 storage tanks working and breathing losses that vent directly to atmosphere or to the vent gas scrubber. All tanks have a nitrogen blank and/or PCV. (Includes Op-flex 01/06/2021 Modification)

Emission Source/Control: 76AA6 - Control
 Control Type: CONSERVATION VENT

Emission Source/Control: 76AAV - Control

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Control Type: CONSERVATION VENT

Emission Source/Control: 76ATV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76CV6 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76EWS - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: 76HTV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 76TFV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 62TRI - Process

Emission Source/Control: 76AAS - Process
Design Capacity: 16,000 gallons

Emission Source/Control: 76AAT - Process
Design Capacity: 14,000 gallons

Emission Source/Control: 76ACW - Process

Emission Source/Control: 76AST - Process

Emission Source/Control: 76CTT - Process
Design Capacity: 3,000 gallons

Emission Source/Control: 76HST - Process

Emission Source/Control: 76MST - Process

Emission Source/Control: 76PTA - Process

Emission Source/Control: 76STS - Process

Item 223.66:

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

Emission Unit: C-27018

Process: 770

Source Classification Code: 3-01-999-99

Process Description:

Vapors from drumming stations and working losses from loading stations vent to atmosphere or through a scrubber prior to discharging to the atmosphere.

Emission Source/Control: 76ACT - Process

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Facility DEC ID: 5415400002

Emission Source/Control: 76APS - Process

Emission Source/Control: 76DV1 - Process

Emission Source/Control: 76DV2 - Process

Emission Source/Control: 76DV3 - Process

Emission Source/Control: 76TL1 - Process

Emission Source/Control: 76TL2 - Process

Item 223.67:

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

Emission Unit: C-27018

Process: 776

Source Classification Code: 3-01-999-99

Process Description:

Building 78 storage tanks working and breathing losses.

Emission Source/Control: 78CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 78D4T - Process

Item 223.68:

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

Emission Unit: C-27018

Process: 782

Source Classification Code: 3-01-999-99

Process Description:

Building 37 storage tank working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blanket. Additionally, some tanks also have a pressure control valve present. These sources belong to emission unit C-27018.

Emission Source/Control: 37CV1 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CV4 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CV6 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CV7 - Control

Control Type: CONSERVATION VENT

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 37CV9 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVA - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVL - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVM - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37VC2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 36ST4 - Process

Emission Source/Control: 37AST - Process

Emission Source/Control: 37NHT - Process

Emission Source/Control: 37ST1 - Process

Emission Source/Control: 37ST2 - Process

Emission Source/Control: 37ST9 - Process

Emission Source/Control: 37STB - Process

Emission Source/Control: 37STC - Process

Emission Source/Control: 37STT - Process

Emission Source/Control: 37TAN - Process

Emission Source/Control: FE101 - Process

Emission Source/Control: RHSTE - Process

Item 223.69:

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

Emission Unit: C-27018

Process: 786

Source Classification Code: 3-01-999-99

Process Description:

The doughmixer vacuum cleaner vents directly to atmosphere at EP 32038. The doughmixers that this vacuum cleaner is used with are all in Unit F-INISH.

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Facility DEC ID: 5415400002

Emission Source/Control: 32DMX - Process

Item 223.70:

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

Emission Unit: C-27018

Process: 788

Source Classification Code: 3-02-999-99

Process Description:

Building 24A storage tank working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blank. Additionally, some tanks also have a pressure control valve present.

Emission Source/Control: 24CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 24CV3 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 24CV4 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 24CVE - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 901CV - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 23APL - Process

Emission Source/Control: 23APS - Process

Design Capacity: 6,000 gallons

Emission Source/Control: 24ST1 - Process

Emission Source/Control: 24ST2 - Process

Emission Source/Control: 24ST3 - Process

Emission Source/Control: 24ST4 - Process

Emission Source/Control: CL901 - Process

Design Capacity: 3,000 gallons

Item 223.71:

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

Emission Unit: C-27018

Process: 790

Source Classification Code: 3-01-999-99

Process Description:

Building 24A drums and mix tank that vent to atmosphere. The acid charge drum vents to atmosphere at EP 24952. The

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KOH drum vents to atmosphere at EP 24953. The HCl Mix Tank vents to atmosphere at EP 24417.

Emission Source/Control: 24ACD - Process

Emission Source/Control: 24HMT - Process

Emission Source/Control: 24KOD - Process

Item 223.72:

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

Emission Unit: C-27018

Process: 792

Source Classification Code: 3-01-999-99

Process Description:

The west filter aid hopper for the MQ Resins system vents to atmosphere at EP 24120. The silicate mix tank vents to atmosphere at EP 24978.

Emission Source/Control: 24FAH - Process

Emission Source/Control: 24SMT - Process

Item 223.73:

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

Emission Unit: C-27018

Process: 794

Source Classification Code: 3-01-999-99

Process Description:

The 1M Hydrolyzer system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN1. This process also includes any associated cleanouts. The system may vent through EPs 71001 and 71013.

Emission Source/Control: 1MHSC - Control

Control Type: WET SCRUBBER

Emission Source/Control: 71HYS - Control

Control Type: WET SCRUBBER

Emission Source/Control: 71VCS - Control

Control Type: VAPOR RECOVERY SYSTEMS, REFRIGERATED CONDENSER, GAS SCRUBBER (GENERAL)

Emission Source/Control: 71FR1 - Process

Emission Source/Control: 71FR2 - Process

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Emission Source/Control: 71FSC - Process

Emission Source/Control: 71FSR - Process

Emission Source/Control: 71FWT - Process

Emission Source/Control: 71HY3 - Process
Design Capacity: 3,000 gallons

Emission Source/Control: 71HZR - Process
Design Capacity: 1,000 gallons

Emission Source/Control: 71SIL - Process
Design Capacity: 1,500 gallons

Emission Source/Control: 71SL1 - Process

Emission Source/Control: 71SV1 - Process

Emission Source/Control: 71SWT - Process
Design Capacity: 1,500 gallons

Item 223.74:

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

Emission Unit: C-27018

Process: 795

Source Classification Code: 3-01-999-99

Process Description:

Elephant trunk systems capture vapors from drums and other sources and vent to the atmosphere. Elephant trunk systems vent through EP 31047.

Emission Source/Control: 31ES4 - Process

Item 223.75:

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

Emission Unit: C-27018

Process: MN1

Source Classification Code: 3-01-999-99

Process Description:

This process includes all of the individual Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in unit C-27018 that are subject to 40 CFR 63, Subpart FFFF (MON MACT). The MCPUs are organized based on a Family of Materials (FOM) basis. The complete list of MCPUs, FOMs and operating scenarios is maintained in the Subpart FFFF Notification of Compliance Status (NOCS). Process MN1 and the Subpart FFFF NOCS include Group 1 process vent streams and controls, storage tanks, transfer racks, and heat exchange systems, as well as the storage, management and treatment of designated Group 1 wastewater streams. Changes to the MON MACT MCPUs, FOMs, or operating

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scenarios are documented within the NOCS on a semiannual basis and are included in the Subpart FFFF Semiannual reports. Monthly MON MACT batch emission calculations are completed in order to verify the Group 2 status of applicable process vents. Note: The MON MACT MCPUs utilize equipment and emission points that are already included under the Process codes designated for Title V permitting, which are organized by equipment rather than product. Emissions for Process MN1 are, therefore, included in the emissions for individual Process codes.

Emission Source/Control: MCPU1 - Process

Item 223.76:

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

Emission Unit: C-27035

Process: 056

Source Classification Code: 3-01-999-99

Process Description:

Hydrochloric acid tanks are vented through the HCl tank vent scrubber to EP 27035. This process is subject to requirements under 40 CFR 63, Subparts SS and FFFF.

Emission Source/Control: 27HWT - Control

Control Type: SPRAY TOWER

Emission Source/Control: ABWAT - Process

Emission Source/Control: HCLT1 - Process

Emission Source/Control: HCLT2 - Process

Emission Source/Control: HCLT3 - Process

Emission Source/Control: HCLT4 - Process

Emission Source/Control: HCLT5 - Process

Item 223.77:

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

Emission Unit: C-27035

Process: 202

Source Classification Code: 3-85-001-10

Process Description:

This process represents heat exchange systems (cooling water) within the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Heat exchange systems subject to Subpart FFFF are summarized in the Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

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Facility DEC ID: 5415400002

Emission Source/Control: HXCM2 - Process

Item 223.78:

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

Emission Unit: C-27035

Process: 206

Source Classification Code: 3-01-026-30

Process Description:

This process represents the management of Group 1 wastewater or residuals in containers. The Group 1 wastewater or residuals are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: CONM2 - Process

Item 223.79:

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

Emission Unit: C-27035

Process: 208

Source Classification Code: 3-01-999-99

Process Description:

This process represents the management of Group 1 wastewater in individual drain systems. The Group 1 wastewater streams are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: IDSM2 - Process

Item 223.80:

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

Emission Unit: C-27035

Process: 211

Source Classification Code: 3-01-820-10

Process Description:

This process represents the management of MON maintenance wastewater streams from unit C-27035 that are subject to 40 CFR 63, Subpart F.

Emission Source/Control: MWWM2 - Process

Item 223.81:

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

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: C-27035

Process: 214

Source Classification Code: 3-01-999-99

Process Description:

This process represents the management of Group 1 process wastewater in tanks. The Group 1 wastewater is generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater storage tank determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: G1PW2 - Process

Item 223.82:

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

Emission Unit: C-27035

Process: 218

Source Classification Code: 3-01-070-02

Process Description:

This process represents the treatment of Group 1 wastewater streams and/or residuals removed from Group 1 wastewater streams. The Group 1 wastewater or residuals are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: G1PT2 - Process

Item 223.83:

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

Emission Unit: C-27035

Process: 221

Source Classification Code: 3-01-999-99

Process Description:

This process represents any pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems in the unit C-27035 processes that are subject to the leak detection and repair requirements in 40 CFR 63, Subpart UU for MON MACT (40 CFR 63, Subpart FFFF) compliance. Each piece of equipment to which Subpart UU applies is identified in the LeakDAHS system. If any associated emissions occur, amounts are reported under Process FUG.

Emission Source/Control: FUGM2 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 223.84:

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

Emission Unit: C-27035

Process: 764

Source Classification Code: 3-01-999-99

Process Description: HCl storage tank vents to scrubber at EP 27039.

Emission Source/Control: 27RVD - Combustion

Emission Source/Control: 27ABS - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: ABWAT - Process

Item 223.85:

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

Emission Unit: C-27035

Process: MN2

Source Classification Code: 3-01-999-99

Process Description:

This process includes all of the individual Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in unit C-27035 that are subject to 40 CFR 63, Subpart FFFF (MON MACT). The MCPUs are organized based on a Family of Materials (FOM). The complete list of MCPUs, FOMs and operating scenarios is maintained in the Subpart FFFF Notification of Compliance Status (NOCS). Process MN2 and the Subpart FFFF NOCS include Group 1 process vent streams and controls, storage tanks, transfer racks, and heat exchange systems, as well as the storage, management and treatment of designated Group 1 wastewater streams. Changes to the MON MACT MCPUs, FOMs, or operating scenarios are documented within the NOCS on a semiannual basis and are included in the Subpart FFFF Semiannual reports. Monthly MON MACT batch emission calculations are completed in order to verify the Group 2 status of applicable process vents.

Note: The MON MACT MCPUs utilize equipment and emission points that are already included under the Process codes designated for Title V permitting, which are organized by equipment rather than product. Emissions for Process MN2 are, therefore, included in the emissions for individual Process codes.

Emission Source/Control: MCPU2 - Process

Item 223.86:

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

Emission Unit: E-LISTS

Process: L01

Source Classification Code: 3-01-999-99

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Process Description:

List of Processes subject to 40 CFR 63
 Subpart SS [63.983(a, b, c & d), 63.990(a & b), 63.996, 63.996(d), 63.998(a)(2), 63.998(b & c), 63.998(c)(1 & 2) & 63.998(d)(1)]

EU-C27018: Proc - 023-026, 040, 047, 083, 108 & 715

EU-C27035: Proc - 056

EU-FINISH: Proc - 053, 081

Emission Source/Control: L0001 - Process

Item 223.87:

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

Emission Unit: E-LISTS

Process: L02

Source Classification Code: 3-01-999-99

Process Description:

List of Processes subject to 40 CFR 63
 Subpart SS [63.988(a), 63.988(b)]

EU-C27018: Proc - 023-026, 083 & 715

Emission Source/Control: L0001 - Process

Item 223.88:

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

Emission Unit: E-LISTS

Process: L03

Source Classification Code: 3-01-999-99

Process Description:

List of Processes subject to 40 CFR 63
 Subpart UU [63.1019, 63.1022, 63.1023(a, b & c), 63.1023(e), 63.1024(a, c, d, e & f), 63.1025(b, c & d), 63.1025(e)(1, 2 & 3), 63.1026, 63.1026(b)(4), 63.1026(e), 63.1027(b), 63.1027(e)(1 & 2), 63.1028, 63.1029, 63.1030, 63.1031(f), 63.1032, 63.1033, 63.1035, 63.1036, 63.1038(b & c) & 63.1039(a & b)]:

EU-C27018: Proc - 220, Source FUGM1

EU-C27035: Process - 221, Source FUGM2.

EU-FINISH: Processes - 222, Source FUGM3.

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Facility DEC ID: 5415400002

Emission Source/Control: L0001 - Process

Item 223.89:

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

Emission Unit: E-LISTS

Process: L04

Source Classification Code: 3-01-999-99

Process Description:

List of Emission Points subject to Part
212-3.1(c)(4)(i):

EU-FINISH: EPs - 32028, 71013, 76006 &
85008.

EU-C27018: EPs - 76001, 23002.

Emission Source/Control: L0001 - Process

Item 223.90:

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

Emission Unit: E-LISTS

Process: L05

Source Classification Code: 3-01-999-99

Process Description:

List of Emission Points subject to Part
212-3.1(c)(4)(iii):

EU-C27018: EPs - 24806

EU-FINISH: EPs - 32040, 32042, 32044,
32049 & 32050.

Emission Source/Control: L0001 - Process

Item 223.91:

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

Emission Unit: E-LISTS

Process: L06

Source Classification Code: 3-01-999-99

Process Description:

List of Emission Points subject to Part
212-2.4(b) & Part 212-1.6(a):

EU-FINISH: EPs - 31001, 3200(6, 7, 8 & 9),
3201(6 & 7), 3300(2, 3), 42012, 85002,
85057 & 37105.

EU-C27018: EPs - 14006, 24120, 24132,
31002, 31003, 31022, 31030, 32038, 37707,
37934, 78005, 97001, 97002 &
97500.

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Facility DEC ID: 5415400002

EU-C27018: 76ACW.

EU-FINISH: 23APS, 37APS & 76PTA.

Emission Source/Control: L0001 - Process

Item 223.94:

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

Emission Unit: E-LISTS

Process: L09

Source Classification Code: 3-01-999-99

Process Description:

List of Processes subject to Part
229.3(e)(2)(v) which emit through EU
C-27018 Processes 430:

EU: W-97004: Process 705

Emission Source/Control: L0001 - Process

Item 223.95:

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

Emission Unit: E-LISTS

Process: L10

Source Classification Code: 3-01-999-99

Process Description:

List of Processes subject to Part
229.3(e)(2)(iv) which emit through EU
C-27018 Processes 430:

EU: W-97004: Process 705

Emission Source/Control: L0001 - Process

Item 223.96:

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

Emission Unit: E-LISTS

Process: L11

Source Classification Code: 3-01-999-99

Process Description:

List of Processes subject to 40 CFR 63
Subpart G Sections 139(c), 140, 143(e) &
143(g) which emit through EU C-27018
Processes 430:

EU: W-97004: Process 705 ES/C MMNAS &
MMSAS.

Emission Source/Control: L0001 - Process

Item 223.97:

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Facility DEC ID: 5415400002

Emission Source/Control: L0001 - Process

Item 223.101:

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

Emission Unit: E-LISTS

Process: L18

Source Classification Code: 3-01-999-99

Process Description:

List of Emergency Generators under
Emission Unit E-GNRTR:

Generators < 500 HP [subject to 40 CFR 63
Subpart ZZZZ (RICE MACT)];

Emission Point	Emission Source
28010	28EG1
28011	28EG2
28012	28EG3
80002	80EG1
80003	80EG2
85064	85EG1
97037	GEN01
97025	952E1
97026	952E2
51002	51EG3
51003	51EG4
97033	

FFPD4

Generators > 500 HP (Exempt under Subpart
ZZZZ);

Emission Point	Emission Source
86003	86EG1
86004	86EG2
97032	

FFPD3

Emission Source/Control: L0001 - Process

Item 223.102:

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

Emission Unit: F-INISH

Process: 029

Source Classification Code: 3-01-999-99

Process Description:

The endcapper system makes fluids. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This

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process also includes any associated cleanouts. The endcapper system vents to atmosphere through the vent head at EP 85906 or EP 85907.

Emission Source/Control: 85CSC - Process

Emission Source/Control: 85GC5 - Process

Item 223.103:

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

Emission Unit: F-INISH

Process: 053

Source Classification Code: 3-01-999-99

Process Description:

The CASH system is a Group 1 continuous process subject to 40 CFR 63, Subpart FFFF. The system vents through the CASH scrubber, which is a MON MACT Group 1 control device, to EP 76006. This process includes any associated cleanouts.

Emission Source/Control: 76CSS - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 76CV1 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 76CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 76CV3 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 76BTC - Process

Emission Source/Control: 76COO - Process

Emission Source/Control: 76HLD - Process

Emission Source/Control: 76MET - Process

Design Capacity: 10,100 gallons

Emission Source/Control: 76RET - Process

Emission Source/Control: 76TWV - Process

Item 223.104:

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

Emission Unit: F-INISH

Process: 058

Source Classification Code: 3-01-999-99

Process Description:

The Banbury I system includes a mill, tiller hopper,

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extruder and mixer. It is a batch system used to make silicone rubber. It may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR 63, Subpart FFFF are tracked under monthly MON MACT batch tracking and managed in process MN3. This process includes any associated cleanouts. The mill vents through EP 42001 and the mixer vents through EP 42012. The decanter vents through EP 42013. The Banbury Mixer vents through EP 42014. The drum purge vents through EP 42017. The drum purge manifold vents through EP 42018.

Emission Source/Control: 42BAN - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33BM1 - Process

Emission Source/Control: 42BPD - Process

Emission Source/Control: 42DMP - Process

Emission Source/Control: 42DPM - Process

Emission Source/Control: 42RM1 - Process

Item 223.105:

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

Emission Unit: F-INISH

Process: 059

Source Classification Code: 3-01-999-99

Process Description:

The Banbury 2 system includes a mill, tiller hopper, extruder and mixer. It is a batch system used to make silicone rubber. It may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR 63, Subpart FFFF are tracked under monthly MON MACT batch tracking and managed in process MN3. This process includes any associated cleanouts. The mill vents through EP 42002 and the mixer vents through EP 42012. The decanter vents through EP 42013. The Banbury Mixer vents through EP 42014. The drum purge vents through EP 42017. The drum purge manifold vents through EP 42018.

Emission Source/Control: 42BAN - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33BM2 - Process

Emission Source/Control: 42BPD - Process

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Facility DEC ID: 5415400002

Emission Source/Control: 42DMP - Process

Emission Source/Control: 42DPM - Process

Emission Source/Control: 42RM2 - Process

Item 223.106:

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

Emission Unit: F-INISH

Process: 060

Source Classification Code: 3-01-999-99

Process Description:

The Banbury 3 system includes a mill, tiller hopper, extruder and mixer. It is a batch system used to make silicone rubber. It may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR 63, Subpart FFFF are tracked under monthly MON MACT batch tracking and managed in process MN3. This process includes any associated cleanouts. The mill vents through EP 42003 and the mixer vents through EP 42012. The decanter vents through EP 42013. The Banbury Mixer vents through EP 42014. The drum purge vents through EP 42017. The drum purge manifold vents through EP 42018. The drum feed station vents through EP 42021. The liquid add station vents through EP 42020.

Emission Source/Control: 42BAN - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33BM3 - Process

Emission Source/Control: 42BPD - Process

Emission Source/Control: 42DFS - Process

Emission Source/Control: 42DMP - Process

Emission Source/Control: 42DPM - Process

Emission Source/Control: 42DS2 - Process

Emission Source/Control: 42RM3 - Process

Item 223.107:

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

Emission Unit: F-INISH

Process: 061

Source Classification Code: 3-01-999-99

Process Description:

The doughmixer 8 system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products.

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Facility DEC ID: 5415400002

Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPS 32016 and 32042.

Emission Source/Control: 32CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: DMXV8 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30DM8 - Process

Emission Source/Control: 32WTD - Process

Emission Source/Control: DM8ES - Process

Emission Source/Control: DMXR8 - Process

Item 223.108:

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

Emission Unit: F-INISH
Process: 063 Source Classification Code: 3-01-999-99
Process Description:

The Banbury 4 system includes a mill, tiller hopper, extruder and mixer. It is a batch system used to make silicone rubber. It may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR 63, Subpart FFFF are tracked under monthly MON MACT batch tracking and managed in process MN3. This process includes any associated cleanouts. The mixer vents through EP 42012. Silicone Rubber Mill 4 vents through EP 42004. The decanter vents through EP 42013. The Banbury Mixer vents through EP 42014. The drum purge vents through EP 42017. The drum purge manifold vents through EP 42018.

Emission Source/Control: 42BAN - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33BM4 - Process

Emission Source/Control: 42BMX - Process

Emission Source/Control: 42BPD - Process

Emission Source/Control: 42DMP - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 42DPM - Process

Emission Source/Control: 42DS1 - Process

Emission Source/Control: 42RM4 - Process

Item 223.109:

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

Emission Unit: F-INISH

Process: 065

Source Classification Code: 3-01-999-99

Process Description:

The banbury filler vents, cyclone separator, bag dump stations, general vacuum system and hoffman vacuum systems are included in this process. Particulate emissions from these sources vent through a dust collector to EP 42012.

Emission Source/Control: 42BAN - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33BFV - Process

Emission Source/Control: 33CYC - Process

Emission Source/Control: 33GVS - Process

Emission Source/Control: 33HOF - Process

Emission Source/Control: 33HVS - Process

Emission Source/Control: 42PRH - Process

Item 223.110:

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

Emission Unit: F-INISH

Process: 081

Source Classification Code: 3-01-999-99

Process Description:

The existing pre-upgrade phenyl tetramer system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process also includes any cleanouts. The system may vent through EPs 37001, 37074, 37005, 37003, 37048, 37049, 37050, 37016, 37047. The post-upgrade system (Op-Flex Modification 11/11/20) may vent through EPs 37101 - 37105.

Emission Source/Control: 37HDC - Control
Control Type: DUST COLLECTOR

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Facility DEC ID: 5415400002

Emission Source/Control: 37PHV - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 37TDC - Control
Control Type: FABRIC FILTER

Emission Source/Control: 37CCD - Process

Emission Source/Control: 37CEN - Process

Emission Source/Control: 37CO1 - Process

Emission Source/Control: 37CO2 - Process

Emission Source/Control: 37CO3 - Process

Emission Source/Control: 37DCF - Process

Emission Source/Control: 37DST - Process

Emission Source/Control: 37HOP - Process

Emission Source/Control: 37KOH - Process

Emission Source/Control: 37MLV - Process

Emission Source/Control: 37NCC - Process
Design Capacity: 750 gallons

Emission Source/Control: 37PCF - Process

Emission Source/Control: 37PHO - Process

Emission Source/Control: 37PST - Process

Emission Source/Control: 37PTC - Process

Emission Source/Control: 37PTD - Process

Emission Source/Control: 37SCC - Process
Design Capacity: 750 gallons

Item 223.111:

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

Emission Unit: F-INISH

Process: 102

Source Classification Code: 3-01-999-99

Process Description:

The TFK 2 (treated filler kettle 2) system may make products subject to 40 CFR 63, Subpart FFFF as well as non

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Facility DEC ID: 5415400002

MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process also includes any associated cleanouts. The system vents through EP 32026.

Emission Source/Control: 32TV1 - Control
 Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: FTKR2 - Process

Item 223.112:

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

Emission Unit: F-INISH
 Process: 111 Source Classification Code: 3-01-999-99
 Process Description:

The vent dust collection system captures the particulates that escape from the atmospheric vents on TFK 1, TFK 2, TFK3, hoppers 1 through 5 as well as silos 1 through 6. This process also includes any associated cleanouts. Particulates vent through the dust collector EP 32046.

Emission Source/Control: 32TWH - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 30FS1 - Process

Emission Source/Control: 30FS2 - Process

Emission Source/Control: 30FS4 - Process

Emission Source/Control: 30FS5 - Process

Emission Source/Control: 30FS6 - Process

Emission Source/Control: 31OMS - Process

Emission Source/Control: 32FS3 - Process

Emission Source/Control: 32WH1 - Process

Emission Source/Control: 32WH2 - Process

Emission Source/Control: 32WH3 - Process

Emission Source/Control: 32WH4 - Process

Emission Source/Control: 32WH5 - Process

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Emission Source/Control: TFK02 - Process

Emission Source/Control: TFK03 - Process

Item 223.113:

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

Emission Unit: F-INISH

Process: 136

Source Classification Code: 3-01-999-99

Process Description:

Alkoxy catalyst feed tank, tote/drum stations, drum transfer stations, miscellaneous totes, hydride catalyst feed tank and the MTMS feed tank vent through conservation vents consisting of a nitrogen blanket, PCV and/or flame arrestor before discharging through EP 33024. The acetoxo feed tank vents through a conservation vent at EP 33016.

Note: This process represents a system which can supply feeds to the WP extruder systems included under Process Codes 176, 177 & 178.

Emission Source/Control: 33CV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 33CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 33CV3 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 30ST1 - Process

Emission Source/Control: 30ST2 - Process

Emission Source/Control: 33AFT - Process

Emission Source/Control: 33DTS - Process

Emission Source/Control: 33ES4 - Process

Emission Source/Control: 33GAP - Process

Emission Source/Control: 33HCT - Process

Emission Source/Control: 33ST1 - Process

Emission Source/Control: 33TDS - Process

Emission Source/Control: 33TWS - Process

Item 223.114:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

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

Emission Unit: F-INISH
 Process: 157 Source Classification Code: 3-01-999-99
 Process Description:
 The TFK 3 (treated filler kettle 3) system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3 This process includes any associated cleanouts. The system vents through EPs 32027 and 32028.

Emission Source/Control: 32CV1 - Control
 Control Type: CONSERVATION VENT

Emission Source/Control: 32PGA - Control
 Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 32TV2 - Control
 Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30TLS - Process

Emission Source/Control: FTKH2 - Process

Emission Source/Control: FTKR4 - Process

Item 223.115:

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

Emission Unit: F-INISH
 Process: 168 Source Classification Code: 3-01-999-99
 Process Description:
 The east resin system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 24207, 24305, 24308, 24309, 24311, 24312, 24404, 24409, 24413, 24702, 24704, 24944, 24302, 24945, 24955, 24956

Emission Source/Control: 24ADC - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 24ARS - Control
 Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

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Emission Source/Control: 24CVA - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24CVC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24CVD - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24ESS - Control
Control Type: WET SCRUBBER

Emission Source/Control: 24EVR - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 24PGA - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 24SRV - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 24VC1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24AID - Process

Emission Source/Control: 24BC1 - Process

Emission Source/Control: 24BC2 - Process

Emission Source/Control: 24BD1 - Process

Emission Source/Control: 24BD2 - Process

Emission Source/Control: 24BLE - Process

Emission Source/Control: 24BR1 - Process

Emission Source/Control: 24BR2 - Process

Emission Source/Control: 24DRM - Process

Emission Source/Control: 24EBK - Process

Emission Source/Control: 24EHY - Process

Emission Source/Control: 24EST - Process

Emission Source/Control: 24EWT - Process

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Emission Source/Control: 24FOK - Process

Emission Source/Control: 24HCO - Process

Emission Source/Control: 24N12 - Process
Design Capacity: 500 gallons

Emission Source/Control: 24NO5 - Process

Emission Source/Control: 24PMT - Process

Emission Source/Control: 24SF1 - Process

Emission Source/Control: 24SF2 - Process

Emission Source/Control: 24SHT - Process

Emission Source/Control: 24SOU - Process

Emission Source/Control: 24SWT - Process

Emission Source/Control: 24WST - Process

Emission Source/Control: 24WTA - Process

Item 223.116:

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

Emission Unit: F-INISH

Process: 170

Source Classification Code: 3-01-999-99

Process Description:

The doughmixer 9 system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 32017 and 32050.

Emission Source/Control: 32CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: DMXV9 - Control

Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30D9D - Process

Emission Source/Control: 32WTD - Process

Emission Source/Control: DM9ES - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: DMXR9 - Process

Item 223.117:

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

Emission Unit: F-INISH

Process: 171

Source Classification Code: 3-01-999-99

Process Description:

The Doughmixer 7 system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 32009 and 32049.

Emission Source/Control: 32CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: DMXV7 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30DM7 - Process

Emission Source/Control: 32WTD - Process

Emission Source/Control: DM7ES - Process

Emission Source/Control: DMXR7 - Process

Item 223.118:

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

Emission Unit: F-INISH

Process: 173

Source Classification Code: 3-01-999-99

Process Description:

The TFE system may make products subject to 40 CFR 63 Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process may operate in two different modes: initial startup, as well as a semi-continuous operation. This process includes any associated cleanouts. The system vents through EPs 78008, 78021, 78022, 78023, 78033, 78034, 78035.

Emission Source/Control: 78CV3 - Control

Control Type: CONSERVATION VENT

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 78CV4 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 78CV5 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 78CV6 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 78VME - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 78CB1 - Process

Emission Source/Control: 78CCT - Process

Emission Source/Control: 78DT1 - Process

Emission Source/Control: 78ET1 - Process

Emission Source/Control: 78GDT - Process

Emission Source/Control: 78LED - Process

Emission Source/Control: 78NFT - Process

Emission Source/Control: 78SFT - Process

Emission Source/Control: 78TFE - Process

Emission Source/Control: 78TR3 - Process

Item 223.119:

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

Emission Unit: F-INISH

Process: 174

Source Classification Code: 3-01-070-02

Process Description:

The doughmixer 6 system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 32008 and 32040.

Emission Source/Control: 32CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: DM6ES - Control
Control Type: EJECTOR CONDENSER

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: DMXV6 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30DM6 - Process

Emission Source/Control: 30DME - Process

Emission Source/Control: 32WTD - Process

Emission Source/Control: DMXR6 - Process

Item 223.120:

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

Emission Unit: F-INISH

Process: 175

Source Classification Code: 3-01-999-99

Process Description:

The WP-3 system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process includes any associated cleanouts. The system vents through EPs 85002, 85013, 85906, 85907 and 85068.

Emission Source/Control: 85DCS - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85NE1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85NW1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85NW2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85SW1 - Control
Control Type: DYNAMIC SEPARATOR (DRY)

Emission Source/Control: 85BER - Process

Emission Source/Control: 85DRM - Process

Emission Source/Control: 85GRV - Process

Emission Source/Control: 85HOP - Process

Emission Source/Control: 85NE2 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 85NWH - Process

Emission Source/Control: 85PTA - Process

Emission Source/Control: 85SEH - Process

Emission Source/Control: 85SWH - Process

Emission Source/Control: 85VCS - Process

Emission Source/Control: 85VP2 - Process

Emission Source/Control: 85WP3 - Process

Item 223.121:

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

Emission Unit: F-INISH

Process: 176

Source Classification Code: 3-01-999-99

Process Description:

The WP-1 system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process includes any associated cleanouts. The system vents through EPs 33004 and 33017. Inputs to the WP-1 system may be supplied via the feed system described under process code 136.

Emission Source/Control: 33SHB - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33EHB - Process

Emission Source/Control: 33F12 - Process

Emission Source/Control: 33F58 - Process

Emission Source/Control: 33FDF - Process

Emission Source/Control: 33FF1 - Process

Emission Source/Control: 33OMS - Process

Emission Source/Control: 33SSF - Process

Emission Source/Control: 33WDD - Process

Emission Source/Control: 33WF1 - Process

Emission Source/Control: 33WF2 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 33WP1 - Process

Emission Source/Control: 33WP2 - Process

Emission Source/Control: 33WP3 - Process

Emission Source/Control: 33WP4 - Process

Emission Source/Control: 33WP5 - Process

Emission Source/Control: 33WPF - Process

Emission Source/Control: 33WV1 - Process

Item 223.122:

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

Emission Unit: F-INISH

Process: 177

Source Classification Code: 3-01-999-99

Process Description:

The WP-4 System may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process includes any associated cleanouts. The system vents through EPs 33004 and 33017. Inputs to the WP-1 system may be supplied via the feed system described under process code 136.

Emission Source/Control: 33SHB - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33EHB - Process

Emission Source/Control: 33F12 - Process

Emission Source/Control: 33F58 - Process

Emission Source/Control: 33FDF - Process

Emission Source/Control: 33FF4 - Process

Emission Source/Control: 33SSF - Process

Emission Source/Control: 33WDD - Process

Emission Source/Control: 33WP1 - Process

Emission Source/Control: 33WP2 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 33WP3 - Process

Emission Source/Control: 33WP4 - Process

Emission Source/Control: 33WP5 - Process

Emission Source/Control: 33WPH - Process

Emission Source/Control: 33WV2 - Process

Item 223.123:

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

Emission Unit: F-INISH

Process: 178

Source Classification Code: 3-01-999-99

Process Description:

The WP-5 system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process includes any associated cleanouts. The system vents through EPs 33004 and 33017. Inputs to the WP-1 system may be supplied via the feed system described under process code 136.

Emission Source/Control: 33SHB - Control

Control Type: FABRIC FILTER

Emission Source/Control: WP5F1 - Process

Emission Source/Control: WP5F2 - Process

Emission Source/Control: WP5F3 - Process

Emission Source/Control: WP5V1 - Process

Emission Source/Control: WP5V2 - Process

Item 223.124:

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

Emission Unit: F-INISH

Process: 182

Source Classification Code: 3-01-999-99

Process Description:

The WP-2 system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. This process includes any associated cleanouts. The system vents through EPs 85002, 85004,

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Facility DEC ID: 5415400002

85045 and 85067.

Emission Source/Control: 85CVD - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 85DCS - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85SDC - Control
Control Type: FABRIC FILTER

Emission Source/Control: 85BER - Process

Emission Source/Control: 85DRM - Process

Emission Source/Control: 85GC1 - Process

Emission Source/Control: 85GC2 - Process

Emission Source/Control: 85GC3 - Process

Emission Source/Control: 85GC4 - Process

Emission Source/Control: 85GC6 - Process

Emission Source/Control: 85GRV - Process

Emission Source/Control: 85HOP - Process

Emission Source/Control: 85PTA - Process

Emission Source/Control: 85SFH - Process

Emission Source/Control: 85VCS - Process

Emission Source/Control: 85VP1 - Process

Emission Source/Control: 85WP2 - Process

Item 223.125:

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

Emission Unit: F-INISH

Process: 183

Source Classification Code: 3-01-999-99

Process Description:

The doughmixer 5 system may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 32007 and 32044.

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Facility DEC ID: 5415400002

Emission Source/Control: 32CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: DM5ES - Control
Control Type: EJECTOR CONDENSER

Emission Source/Control: DMXV5 - Control
Control Type: VAPOR RECOVERY SYS(INCL.
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 30DM5 - Process

Emission Source/Control: 32WTD - Process

Emission Source/Control: DMXR5 - Process

Item 223.126:

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

Emission Unit: F-INISH
Process: 190 Source Classification Code: 3-01-999-99
Process Description:

The treated filler kettle (TFK) 4 system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process also includes any associated cleanouts. The system vents through EPs 85008 and 85013.

Emission Source/Control: 85CVC - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 85TST - Control
Control Type: SPRAY TOWER

Emission Source/Control: 85TF4 - Process

Emission Source/Control: 85TF5 - Process

Emission Source/Control: 85TWT - Process

Item 223.127:

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

Emission Unit: F-INISH
Process: 191 Source Classification Code: 3-01-999-99
Process Description:

The treated filler kettle (TFK) 5 system is a batch system that includes the treated filler kettle, receiver,

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Facility DEC ID: 5415400002

Item 223.130:

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

Emission Unit: F-INISH

Process: 207

Source Classification Code: 3-01-999-99

Process Description:

This process represents the management of Group 1 wastewater in individual drain systems. The Group 1 wastewater streams are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit F-INISH that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: IDSM3 - Process

Item 223.131:

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

Emission Unit: F-INISH

Process: 212

Source Classification Code: 3-01-999-99

Process Description:

This process represents the management of MON maintenance wastewater streams from unit F-INISH that are subject to 40 CFR 63, Subpart F.

Emission Source/Control: MWWM3 - Process

Item 223.132:

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

Emission Unit: F-INISH

Process: 215

Source Classification Code: 3-01-820-10

Process Description:

This process represents the management of Group 1 process wastewater in tanks. The Group 1 wastewater is generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit F-INISH that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater storage tank determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions).

Emission Source/Control: G1PW3 - Process

Item 223.133:

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

Emission Unit: F-INISH

Process: 219

Source Classification Code: 3-01-070-02

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Facility DEC ID: 5415400002

Process Description:

This process represents the treatment of Group 1 wastewater streams and/or residuals removed from Group 1 wastewater streams. The Group 1 wastewater or residuals are generated by the Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in Unit F-INISH that are regulated under 40 CFR Part 63, Subpart FFFF (MON MACT). Group 1 wastewater determinations are included in the Subpart FFFF Notification of Compliance Status (original NOCS dated 10/8/08 and semiannual revisions). If any associated emissions occur, amounts are reported under Process FUG.

Emission Source/Control: G1PT3 - Process

Item 223.134:

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

Emission Unit: F-INISH

Process: 222

Source Classification Code: 3-01-999-99

Process Description:

This process represents any pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or closed vent systems in the unit F-INISH processes that are subject to the leak detection and repair requirements in 40 CFR 63, Subpart UU for MON MACT (40 CFR 63, Subpart FFFF) compliance. Each piece of equipment to which Subpart UU applies is identified in the LeakDAHS system. If any associated emissions occur, amounts are reported under Process FUG.

Emission Source/Control: FUGM3 - Process

Item 223.135:

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

Emission Unit: F-INISH

Process: 500

Source Classification Code: 3-01-999-98

Process Description:

The 40 Gallon Ross Mixer Room systems may make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on these systems that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The system vents through EPs 31501-31508. One mixer was relocated from building 14 and two new mixers are to be installed in 2023. A fourth mixer may be installed post 2023.

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Emission Source/Control: 31RM1 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM2 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM3 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM4 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM5 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM6 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM7 - Process
Design Capacity: 15 gallons

Emission Source/Control: 31RM8 - Process
Design Capacity: 15 gallons

Item 223.136:

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

Emission Unit: F-INISH
Process: 708 Source Classification Code: 3-01-026-30

Process Description:

The Molding Compounds Area Solids Handling Baghouse 2 vents through EP 33002. The grinding conveying dust pick up vents through the Molding Compounds Area Solids Handling Baghouse 3 vents to atmosphere at EP 33003.

Emission Source/Control: 31MB1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33MB2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 33MB3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 31PRE - Process

Emission Source/Control: 33GCD - Process

Emission Source/Control: 33SBE - Process

Item 223.137:

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

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: F-INISH
Process: 729 Source Classification Code: 3-01-026-30
Process Description:
Transfer Truck loading/unloading vents to atmosphere
through a scrubber.

Emission Source/Control: 71TTL - Control
Control Type: WET SCRUBBER

Emission Source/Control: 71TWL - Process

Item 223.138:

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

Emission Unit: F-INISH
Process: 751 Source Classification Code: 3-01-999-99
Process Description:
Building 23 and Building 23 Tank Farm storage tank
working and breathing losses that vent to atmosphere. All
tanks have a nitrogen blanket or are under pressure.
Additionally, some tanks also have a pressure control
valve present. (includes Op-flex 01/20/2021)

Emission Source/Control: 23CV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV3 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV4 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV5 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV6 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23CV7 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 23AST - Process

Emission Source/Control: 23IST - Process
Design Capacity: 15,000 gallons

Emission Source/Control: 23SSS - Process
Design Capacity: 20,000 gallons

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 23TK0 - Process

Emission Source/Control: 23TK5 - Process

Emission Source/Control: 23TOL - Process
Design Capacity: 28,400 gallons

Emission Source/Control: 23TST - Process
Design Capacity: 8,000 gallons

Emission Source/Control: BK701 - Process

Emission Source/Control: BK801 - Process

Emission Source/Control: BK901 - Process

Emission Source/Control: BL001 - Process

Item 223.139:

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

Emission Unit: F-INISH

Process: 778

Source Classification Code: 3-01-999-99

Process Description:

Vapors from Building 37 processes that vent to atmosphere through sewer vents

Emission Source/Control: 37ATV - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37APS - Process

Item 223.140:

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

Emission Unit: F-INISH

Process: 779

Source Classification Code: 3-01-999-99

Process Description:

The west system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. The system may vent through emission points 24402, 24413, 24405. This process includes any associated cleanouts.

Emission Source/Control: 24N2B - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: 24WAS - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 24WBH - Process

Emission Source/Control: 24WHY - Process

Item 223.141:

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

Emission Unit: F-INISH

Process: 780

Source Classification Code: 3-01-999-99

Process Description:

Building 24 Storage tank working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blanket or are under pressure. Additionally, some tanks also have a pressure control valve and/or flame arrestor present.

Emission Source/Control: 24CV5 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 24CVB - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 24DFA - Process

Emission Source/Control: 24DFD - Process

Emission Source/Control: 24MHC - Process

Emission Source/Control: 24SVB - Process

Item 223.142:

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

Emission Unit: F-INISH

Process: 781

Source Classification Code: 3-01-999-99

Process Description:

Building 37 storage tank working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blanket. Additionally, some tanks also have a pressure control valve present.

Emission Source/Control: 37ATV - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CV8 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CVD - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 37CVE - Control

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Control Type: CONSERVATION VENT

Emission Source/Control: 37CVF - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVG - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVH - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVI - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37CVK - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 37APS - Process

Emission Source/Control: 37PM2 - Process

Emission Source/Control: 37STP - Process

Emission Source/Control: 37TK1 - Process

Emission Source/Control: 37TK2 - Process

Emission Source/Control: 37TK3 - Process

Emission Source/Control: 37TK4 - Process

Emission Source/Control: 37TK5 - Process

Emission Source/Control: 37TK6 - Process

Item 223.143:

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

Emission Unit: F-INISH

Process: 789

Source Classification Code: 3-01-999-99

Process Description:

The south system may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in process MN3. The system may vent through emission points 24209, 24210, 24211, 24413. This process includes any associated cleanouts.

Emission Source/Control: 24CV7 - Control
Control Type: CONSERVATION VENT

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 24CV8 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24CV9 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 24BLT - Process

Emission Source/Control: 24FKE - Process

Emission Source/Control: 24PTK - Process

Emission Source/Control: 24SBK - Process

Item 223.144:

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

Emission Unit: F-INISH
Process: 796 Source Classification Code: 3-01-999-99
Process Description:
Elephant trunk systems capture vapors from drums and other sources and vent to the atmosphere. Elephant trunk systems vent through EPs 78036, 78037, 78038 and 78039.

Emission Source/Control: 78DW0 - Process

Emission Source/Control: 78DWL - Process

Emission Source/Control: 78DWV - Process

Emission Source/Control: 78W12 - Process

Item 223.145:

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

Emission Unit: F-INISH
Process: 798 Source Classification Code: 3-01-999-99
Process Description:
The high speed drum line system includes process tanks. It may be used to make products subject to 40 CFR 63, Subpart FFFF as well as non MON MACT products. Products made on this system that include HAPs and are subject to 40 CFR Part 63 Subpart FFFF, are tracked under monthly MON MACT batch tracking and managed as described in Process MN3. This process includes any associated cleanouts. The pigment tanks vent through a conservation vent to atmosphere at EP 85058.

Emission Source/Control: 85CVA - Control
Control Type: CONSERVATION VENT

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 85FPT - Process

Item 223.146:

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

Emission Unit: F-INISH

Process: 800

Source Classification Code: 3-01-999-99

Process Description:

Building 85 storage tanks working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blanket or are under pressure. Additionally, some tanks also have a pressure control valve present and some tanks vent through the vent header to EP 85906 or EP 85907.

Emission Source/Control: 85CV1 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 85CV2 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 85CV5 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CV7 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CV8 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CV9 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CVE - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CVG - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85CVH - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 85PCV - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: 85ABT - Process

Design Capacity: 36,000 gallons

Emission Source/Control: 85BST - Process

Design Capacity: 11,000 gallons

Emission Source/Control: 85CT1 - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 85CT2 - Process

Emission Source/Control: 85GST - Process

Emission Source/Control: 85PT1 - Process

Emission Source/Control: 85PT2 - Process

Emission Source/Control: 85PT3 - Process

Emission Source/Control: 85PT4 - Process

Emission Source/Control: 85ST2 - Process

Emission Source/Control: 85ST6 - Process

Emission Source/Control: 85ST9 - Process

Emission Source/Control: 85STC - Process

Item 223.147:

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

Emission Unit: F-INISH

Process: 802

Source Classification Code: 3-01-999-99

Process Description:

Building 30 storage tank working and breathing losses that vent to the atmosphere. All tanks have a nitrogen blank. Additionally, some tanks also have a pressure control valve present.

Emission Source/Control: 30CV1 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 30CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 33CV2 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 33CV4 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 33CV5 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 33CV6 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 33CV7 - Control

Control Type: CONSERVATION VENT

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Emission Source/Control: 508CV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 30LET - Process

Emission Source/Control: 30PT1 - Process

Emission Source/Control: 30PT2 - Process

Emission Source/Control: 30SLT - Process

Emission Source/Control: 33GAP - Process

Emission Source/Control: 33NTS - Process

Emission Source/Control: 33P11 - Process

Emission Source/Control: 33P12 - Process

Emission Source/Control: 33ST2 - Process

Emission Source/Control: 33ST3 - Process

Emission Source/Control: 33ST4 - Process

Item 223.148:

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

Emission Unit: F-INISH

Process: 804

Source Classification Code: 3-01-999-99

Process Description:

Elephant trunk systems capture vapors from drums and other sources and vent through main dust collector to EP 85002.

Emission Source/Control: 85DCS - Control

Control Type: FABRIC FILTER

Emission Source/Control: 85ETS - Process

Item 223.149:

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

Emission Unit: F-INISH

Process: DEG

Source Classification Code: 4-01-002-99

Process Description:

Maintenance shop degreasers. Cold cleaning solvent degreasing units that use a petroleum distillate solvent and are subject to requirements under 6 NYCRR Part 226.

Emission Source/Control: 271DG - Process

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Source/Control: 44DEG - Process

Emission Source/Control: BA101 - Process

Emission Source/Control: CY101 - Process

Emission Source/Control: GA201 - Process

Emission Source/Control: GA301 - Process

Emission Source/Control: HT401 - Process

Emission Source/Control: HT901 - Process

Emission Source/Control: ID301 - Process

Item 223.150:

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

Emission Unit: F-INISH

Process: MN3

Source Classification Code: 3-01-999-99

Process Description:

"This process includes all of the individual Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs) in unit F-INISH that are subject to 40 CFR 63, Subpart FFFF (MON MACT). The MCPUs are organized based on a Family of Materials (FOM). The complete list of MCPUs, FOMs and operating scenarios is maintained in the Subpart FFFF Notification of Compliance Status (NOCS). Process MN3 and the Subpart FFFF NOCS include Group 1 process vent streams and controls, storage tanks, transfer racks, and heat exchange systems, as well as the storage, management and treatment of designated Group 1 wastewater streams. Changes to the MON MACT MCPUs, FOMs, or operating scenarios are documented within the NOCS on a semiannual basis and are included in the Subpart FFFF Semiannual reports. Monthly MON MACT batch emission calculations are completed in order to verify the Group 2 status of applicable process vents

Note: The MON MACT MCPUs utilize equipment and emission points that are already included under the Process codes designated for Title V permitting, which are organized by equipment rather than product. Emissions for Process MN3 are, therefore, included in the emissions for individual Process codes".

Emission Source/Control: MCPU3 - Process

Item 223.151:

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

Emission Unit: H-OFURN

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Emission Unit: U-28002

Process: 408

Source Classification Code: 1-02-006-01

Process Description:

Natural gas is combusted in Boiler 13. Boiler 13 was manufactured by Combustion Engineering and has a maximum heat input rating of 122 MMBtu/hr. It is equipped with a low NOx burner and is exhausted to the atmosphere partially through a condensing heat exchanger (EP 28020,) and partially through a steel stack (EP 28002). The boiler is used to generate steam for both process use and space heating. Boiler 13 is classified as a large boiler under 6NYCRR Part 227-2 as revised 6/2010.

Emission Source/Control: 14CHX - Combustion

Emission Source/Control: BLR13 - Combustion

Emission Source/Control: 13LNB - Control

Control Type: DRY LOW NOx BURNER

Item 223.155:

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

Emission Unit: U-28002

Process: 410

Source Classification Code: 1-02-006-01

Process Description:

Natural gas is combusted in Boiler 18. Boiler 18 is a Zurn Keystone boiler and has a maximum heat input rating of 308 MMBtu/hr. It is equipped with a low NOx burner and is exhausted to the atmosphere partially through a condensing heat exchanger (EP 28020,) and partially through a steel stack (EP 28006). The boiler is used to generate steam for both process use and space heating. Boiler 18 is classified as a very large boiler under 6NYCRR Part 227-2 as revised 6/2010. Boiler 18 utilizes a CEMS for NOx and is subject to requirements under 40CFR 60 Subpart Db.

Emission Source/Control: 14CHX - Combustion

Emission Source/Control: BLR18 - Combustion

Emission Source/Control: 18LNB - Control

Control Type: DRY LOW NOx BURNER

Item 223.156:

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

Emission Unit: U-28003

Process: 415

Source Classification Code: 1-02-006-01

Process Description:

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Natural gas is combusted in Boiler 14. Boiler 14 was manufactured by Babcock and Wilcox and has a maximum heat input rating of 171 MMBtu/hr (125,000 lb/hr steam). It is equipped with a low NO_x burner and is exhausted directly to the atmosphere through a common stack shared with Boiler 15 (EP 28003). The boiler is used to generate steam for both process use and space heating. Boiler 14 is classified as a large boiler under 6NYCRR Part 227-2 as revised 6/2010.

Emission Source/Control: BLR14 - Combustion

Emission Source/Control: 14LNB - Control
Control Type: DRY LOW NO_x BURNER**Item 223.157:**

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

Emission Unit: U-28003

Process: 417

Source Classification Code: 1-02-006-02

Process Description:

Natural gas is combusted in Boiler 16. Boiler 16 is a Keeler boiler with a maximum heat input rating of 49.3 MMBtu/hr (40,000 lb/hr steam). It is exhausted directly to the atmosphere through a steel stack (EP 28004). The boiler is used to generate steam for both process use and space heating. Boiler 16 is classified as a mid-size boiler under 6NYCRR Part 227-2 as revised 6/2010.

Emission Source/Control: BLR16 - Combustion

Item 223.158:

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

Emission Unit: W-97004

Process: 705

Source Classification Code: 3-99-999-94

Process Description:

WWTP Tank Farm Operation: The WWTP Tank Farm stores and processes liquid wastes (silicones/emulsions) that are generated in other production areas of the plant. The tanks all have nitrogen blankets and may be equipped with pressure control valves. Some of the tanks may be used to handle Group 1 wastewaters subject to 40CFR 63, Subpart FFFF and are managed as described under Process MN1 and the applicable requirements for processes 213-215 and 217-219.

Emission Source/Control: 97ABV - Control
Control Type: CONSERVATION VENTEmission Source/Control: 97BNV - Control
Control Type: CONSERVATION VENT

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Emission Source/Control: 97NTV - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97NV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97NV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97TV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97TV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97UV1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97UV2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 40KEQ - Process
Design Capacity: 40,000 gallons

Emission Source/Control: 9728A - Process
Design Capacity: 7,000 gallons

Emission Source/Control: 9728B - Process
Design Capacity: 7,000 gallons

Emission Source/Control: 97HST - Process

Emission Source/Control: CT500 - Process

Emission Source/Control: CT501 - Process

Emission Source/Control: MMNAS - Process

Emission Source/Control: MMSAS - Process

Emission Source/Control: WTVST - Process

Item 223.159:

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

Emission Unit: W-97004

Process: 745

Source Classification Code: 5-03-007-01

Process Description:

Biological Wastewater Treatment System: The Bio Reactor system is an activated sludge process that receives influents of pretreated wastewater, APS and containment

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water. Bio Reactors T-20 and T-21 (sources BIOR1, BIOR2) consist of aeration basins and integral clarifiers that are operated in parallel. The overflow from the primary treatment clarifiers and T-507 is stripped and transferred to the Bio Equalization Tank (T-505) prior to flowing to the Bio Reactors. The APS waste is mixed sequentially in three equalization tanks (T-17, T-18, T-19) prior to being used as food in the Bio Reactors. Non-contact cooling water/clean storm water sewers can be diverted to the containment tanks (T-502, T-503, T-504, T-506). The waste sludge subsystem is used to remove excess sludge from the Bio Reactors. The Bio Reactors may be used to handle Group 1 wastewaters subject to 40CFR 63, Subpart FFFF and are managed as described under processes MN1, MN2, and MN3 and the applicable requirements for processes 213-215 and 217-219.

Emission Source/Control: 97EQV - Control
 Control Type: CONSERVATION VENT

Emission Source/Control: BIOR1 - Process

Emission Source/Control: BIOR2 - Process

Emission Source/Control: EQU1 - Process

Emission Source/Control: EQU2 - Process

Emission Source/Control: EQU3 - Process

Emission Source/Control: EQU4 - Process

Emission Source/Control: EQU5 - Process

Emission Source/Control: SMT01 - Process

Emission Source/Control: SMT02 - Process

Item 223.160:

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

Emission Unit: W-97004

Process: 825

Source Classification Code: 3-01-999-99

Process Description:

Primary Wastewater Treatment Plant: Wastewater from plant processes is treated prior to discharge to the river. The system consists of the API wet well (neutralizer), API oil/water separator, two API decant tanks and clarifiers which operate in series. Underflow from the clarifiers is directed to the thickener and overflow goes to the T-507 tank. Lime, caustic and polymers are added to the treatment system from feed tanks as needed. The clarifier

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air strippers (sources ST100 and ST101) are used to remove volatile organic compounds from the wastewater in T-507 prior to it being sent to secondary treatment in the biological treatment system. Effluent from T-507 may also be directed to the back neutralizers. The clarifier strippers normally vent to the incinerators through the clarifier air stripper header but may also vent to atmosphere at EP 97013 or through incinerator purge vents at EP 97015 and 97016. The stripper system is subject to regulation under 40 CFR 63, Subpart G.

Emission Source/Control: 97NP1 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 97NP2 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 9728A - Process
Design Capacity: 7,000 gallons

Emission Source/Control: 97DT2 - Process

Emission Source/Control: 97GST - Process

Emission Source/Control: ACT23 - Process

Emission Source/Control: AP3FT - Process

Emission Source/Control: ST100 - Process

Emission Source/Control: ST101 - Process

Emission Source/Control: ST507 - Process

Emission Source/Control: STDEM - Process

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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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction provision contained in any applicable requirement.

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all

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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 224: Contaminant List
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: ECL 19-0301

Item 224.1:

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

CAS No: 000064-19-7
Name: ACETIC ACID

CAS No: 000067-56-1
Name: METHYL ALCOHOL

CAS No: 000067-64-1
Name: DIMETHYL KETONE

CAS No: 000075-36-5
Name: ACETYL CHLORIDE

CAS No: 000075-79-6
Name: METHYLTRICHLOROSILANE

CAS No: 000107-46-0
Name: HEXAMETHYLDISILOXANE

CAS No: 000108-88-3

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Name: TOLUENE

CAS No: 000541-02-6

Name: DECAMETHYLCYCLOPENTASILOXANE

CAS No: 000541-05-9

Name: HEXAMETHYLCYCLOTTRISILOXANE

CAS No: 000556-67-2

Name: OCTAMETHYLCYCLOTETRA SILOXANE

CAS No: 001066-35-9

Name: SILANE,CHLORODIMETHYL

CAS No: 001185-55-3

Name: METHYLTRIMETHOXYSILOXANE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 068479-14-1

Name: SILANE, CHLORO METHYL DERIVS

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

Condition 225: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 201-1.4

Item 225.1:

(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.

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(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. 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. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility 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 226: Air pollution prohibited
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 211.1

Item 226.1:

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 227: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Applicable State Requirement:6 NYCRR 212-2.1

Item 227.1:

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

Emission Unit: C-27018

Process: 154

Emission Source: 71RXS

Regulated Contaminant(s):

CAS No: 001185-55-3

METHYLTRIMETHOXYSilANE

CAS No: 000067-64-1

DIMETHYL KETONE

Item 227.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Water scrubber flow creates the proper vacuum to operate the process and removes air contaminants. Water flow to the scrubber is recorded to ensure sufficient flow control efficiency. The lower limit of monitoring ensures compliance with all process batch operations.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 228: Compliance Demonstration

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 228.1:

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

Emission Unit: C-27018

Process: 092

Emission Source: 71VCS

Regulated Contaminant(s):

CAS No: 000075-79-6

METHYLTRICHLOROSILANE

Item 228.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Water flow to the scrubber is recorded in Provox/Pi to

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ensure sufficient control efficiency. As long as water flow exists during process operation, this condition is met.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 229: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.1

Item 229.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: C-27018

Emission Unit: C-27035

Emission Unit: F-INISH

Item 229.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions that violate the requirement specified in Table 3 or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner. Emission rates and control efficiencies for each new product are calculated, per the op-flex plan, to verify compliance with this requirement. The Commissioner has determined that the controls utilized for sources in the above emission units comply with the applicable emission rate potentials when such controls are operated as specified in this permit.

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 10/30/2023.

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

Condition 230: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Applicable State Requirement:6 NYCRR 212-2.1

Item 230.1:

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

Emission Unit: C-27018

Emission Unit: C-27035

Emission Unit: F-INISH

Emission Unit: T-13004

Emission Unit: W-97004

Item 230.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission rates and control efficiencies for each new product are calculated, per the op-flex plan, to verify compliance with the requirements of Table 3 and Table 4 for gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A.

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 10/30/2023.

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

Condition 231: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 231.1:

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

Emission Unit: C-27018

Process: 139

Emission Source: 31FS1

Emission Unit: C-27018

Process: 142

Emission Source: 31FS2

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 231.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Water flow to the scrubbers will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 2.4 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 232: Compliance Demonstration

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.1

Item 232.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: C-27018

Process: 106

Emission Source: 23SCR

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

CAS No: 000107-46-0

HEXAMETHYLDISILOXANE

Item 232.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Water flow rate to the scrubber will be monitored to meet required control efficiency. The lower limit of monitoring ensures compliance with all process operations. Engineering calculations will be used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 20 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 233: Compliance Demonstration
 Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 233.1:

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

Emission Unit: C-27018
 Process: 073

Emission Source: 35CSS

Regulated Contaminant(s):

CAS No: 000556-67-2	OCTAMETHYLCYCLOTETRA SILOXANE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 000541-05-9	HEXAMETHYLCYCLOTTRISILOXANE

Item 233.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The water flow to the scrubber is monitored to ensure the scrubber is operating at the required control efficiency.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 0.5 gallons per minute
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 234: Compliance Demonstration
 Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 234.1:

The Compliance Demonstration activity will be performed for the facility:

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

The Compliance Demonstration applies to:

Emission Unit: F-INISH
 Process: 168 Emission Source: 24ESS

Emission Unit: F-INISH
 Process: 168 Emission Source: 24PGA

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

Item 234.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Scrubber water flow will be recorded to ensure sufficient control efficiency.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 30 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 235: Compliance Demonstration

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 235.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: C-27018
 Process: 707 Emission Source: 35CSC

Regulated Contaminant(s):
 CAS No: 000541-05-9 HEXAMETHYLCYCLOTRISILOXANE

Item 235.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Scrubber water flow rate will be monitored to ensure it is greater than or equal to 3 gallons per minute.

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Engineering calculations will be used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 3 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 236: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.1

Item 236.1:

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

Emission Unit: F-INISH
Process: 168 Emission Source: 24PGA

Regulated Contaminant(s):
CAS No: 000107-46-0 HEXAMETHYLDISILOXANE

Item 236.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Scrubber water flow during stripping will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 10 gallons per minute
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 237: Compliance Demonstration

Permit ID: 5-4154-00002/01743

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Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1**Item 237.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: F-INISH

Process: 190

Emission Source: 85TST

Regulated Contaminant(s):

CAS No: 000556-67-2

OCTAMETHYLCYCLOTETRA SILOXANE

Item 237.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Outlet temperature of condensing column 85TST will be monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured parameter exceeds the upper limit of monitoring.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 75 degrees Centigrade (or Celsius)

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL
CHANGE

Averaging Method: 2-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 238: Compliance Demonstration

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1**Item 238.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: F-INISH

Process: 081

Emission Source: 37PHV

Regulated Contaminant(s):

CAS No: 000067-64-1

DIMETHYL KETONE

Permit ID: 5-4154-00002/01743

Facility DEC ID: 5415400002

Item 238.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

For grade 88476 (main process) the condenser outlet gas temperature will be maintained to ensure sufficient control efficiency. The upper limit of monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured temperature rises above the upper limit of monitoring.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 41 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

Condition 239: Compliance Demonstration

Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement:6 NYCRR 212-2.1

Item 239.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: F-INISH

Process: 061

Emission Source: DMXV8

Emission Unit: F-INISH

Process: 170

Emission Source: DMXV9

Emission Unit: F-INISH

Process: 171

Emission Source: DMXV7

Emission Unit: F-INISH

Process: 174

Emission Source: DMXV6

Emission Unit: F-INISH

Process: 183

Emission Source: DMXV5

Regulated Contaminant(s):

CAS No: 000556-67-2

OCTAMETHYLCYCLOTETRA SILOXANE

Item 239.2:

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Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Each condenser's outlet gas temperature will be monitored when the ERP of non-VOCs (Octamethylcyclotetra Siloxane) exceeds 10 lb/hr and when "A" rated contaminant ERPs exceeds 1 lb/hr. This process emits through five emission points 32040, 32042, 32044, 32049 and 32050. Engineering calculations will be used as evidence of compliance with control efficiency when the measured parameters exceeds the upper limit of monitoring.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 35 degrees Centigrade (or Celsius)

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL
CHANGE

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 10/30/2023.

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

Condition 240: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.1

Item 240.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: F-INISH

Process: 102

Emission Source: 32TV1

Emission Unit: F-INISH

Process: 157

Emission Source: 32TV2

Regulated Contaminant(s):

CAS No: 000556-67-2

OCTAMETHYLCYCLOTETRA SILOXANE

Item 240.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Condenser outlet temperature will be monitored to ensure sufficient control efficiency. This process emits through two emission points 32026 and 32027. The upper limit of

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monitoring ensures compliance with all process batch operations. Engineering calculations will be used as evidence of compliance with contaminant control efficiency when the measured temperature rises above the upper limit of monitoring.

Parameter Monitored: TEMPERATURE
 Upper Permit Limit: 67 degrees Centigrade (or Celsius)
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 24-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2023.
 Subsequent reports are due every 6 calendar month(s).

Condition 241: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.1

Item 241.1:

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

Emission Unit: C-27018	
Process: 040	Emission Source: 76EAS
Emission Unit: C-27018	
Process: 047	Emission Source: 76WAS

Regulated Contaminant(s):

CAS No: 000067-64-1	DIMETHYL KETONE
CAS No: 000075-36-5	ACETYL CHLORIDE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 000067-56-1	METHYL ALCOHOL

Item 241.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:
 High acid scrubber water flow will be monitored to ensure sufficient control efficiency.

The lower limit of monitoring has been accepted by the department as both RACT and BACT. This has been submitted to USEPA for approval as a revision to the NYS SIP.

Parameter Monitored: VOLUMETRIC FLOW RATE
 Lower Permit Limit: 40 gallons per minute
 Monitoring Frequency: CONTINUOUS

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Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2023.
Subsequent reports are due every 6 calendar month(s).

Condition 242: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.4 (b)

Item 242.1:

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

Emission Unit: C-27018 Emission Point: 97500

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

Item 242.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For a solid particulate assigned an environmental rating of B or C emitted from a process emission source, the facility owner or operator shall not allow emissions of particulate to exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis (dscf).

For these process emission sources/control, solid particulate (or particulate matter, PM) is assigned an environmental rating of B as a criteria contaminant. This determination is based on the manufacture's PM emission's guarantee for the process emission source baghouse (ES 97BAG). Predicted maximum ambient impacts from the process emission sources/control demonstrate compliance with the PM NAAQS based on the allowable PM emission standard of 0.050 grains per dscf.

PM emitted from these process emission sources/control consists primarily of Cristobalite (SiO₂), a non-criteria air contaminant. In determining a non-criteria air contaminant's environmental rating, factors considered include its toxicity classification (H-high, M -medium, or L-low) as defined in Part 212-1.2 and listed in the DAR-1 AGC/SGC Tables. Cristobalite has toxicity classification of M which initially receives an environmental rating of B in accordance with DAR-1 procedures. An environmental rating of B is further supported based on predicted

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maximum ambient impacts which demonstrate compliance with the AGC for Cristobalite at the allowable PM emission standard for B -rated contaminants (noted above).

The facility shall conduct a performance test to demonstrate particulate emissions do not exceed 0.050 grains per dscf within 180-days of the baghouse (ES 97BAG) startup. The facility shall notify the department, in writing, of the time and date of the test at least 30 days prior. Such notification shall also include the acceptable procedures to be used including sampling and analytical procedures. The facility shall submit the emission test report to the department within 60 days after the completion of tests.

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 243: Compliance Demonstration
Effective between the dates of 09/19/2023 and 09/18/2028

Applicable State Requirement: 6 NYCRR 212-2.4 (b)

Item 243.1:

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

Emission Unit: C-27018 Emission Point: 97500

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

Item 243.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Cristobalite, a solid particulate, has been given an Environmental rating of B. For a solid particulate assigned an environmental rating of B from a process emission source, the facility owner or operator shall not allow emissions of particulate to exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis (dscf).

Visible emissions are selected as the performance

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indicator to assure continuous compliance with the 0.050 grain per dscf emission standard for B rated solid particulate (or particulate matter, PM) because it is indicative of good operations and maintenance of the baghouse (ES 97BAG). When the baghouse is operating properly there will be no visible emissions from the exhaust. The facility shall conduct visual observations of the baghouse exhaust daily when the process is operating. A logbook of daily observations and any required maintenance shall be kept on site and made available for inspection. When visible emissions are observed the facility shall take immediate corrective actions to correct the situation.

A summary of excursions shall be reported semi-annually. If visible emissions are observed for more than two (2) consecutive days, the owner or operator shall notify the Regional office immediately.

At all times, the facility owner or operator must operate and maintain all process emission sources, including the associated air pollution control and monitoring equipment, in a manner consistent with safety, good air pollution control practices, good engineering practices and manufacturers' recommendations for minimizing emissions in accordance with 6 NYCRR Part 212.1.5(g).

Compliance with this monitoring requirement also assures compliance with 6 NYCRR 212-1.6(a) – Opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2023.

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

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