



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-0412-00014/02001
Effective Date: 07/16/2015 Expiration Date: 07/15/2025

Permit Issued To: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Contact: ROBERT GROELE
SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Facility: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760-1297

Description:
SolEpoxy manufactures epoxy molding compounds and epoxy coating powders for the protection and insulation of electrical, electronic and microelectronic components in the City of Olean, Cattaraugus County. SolEpoxy was formerly known as Henkel Adhesive Corporation until September 2010. SolEpoxy's manufacturing processes includes batch mixing, blending, extruding, grinding, and packaging.

This renewal is being issued to remove most of the liquid encapsulants production line and associated air contaminants from the permit. This renewal will also remove the facility wide emission caps for Volatile Organic Compounds (VOC), Total Hazardous Air Pollutants (HAP), and individual HAPs such as; Methyl Alcohol, Methyl Ethyl Ketone (MEK), 2-Pentanone 4-Methyl, Formaldehyde, Toluene, and Trichloroethylene (TCE). Due to a decline in production along with the removal of most of liquid encapsulation production line, SolEpoxy's emissions are low enough that they do not need to cap out of Title V applicability. SolEpoxy is still required to calculate and keep track of all emissions emitted from the facility. All of the processes are in one emission unit, U-00001.

The caps for SolEpoxy were introduced into permit when the facility was still owned by Henkel. At the time the Potential to Emit (PTE) was derived from conservative calculations with the facility only making products with the highest emissions. This yielded a PTE of 90 tons for HAPs and 92 tons for VOCs. SolEpoxy's current PTE has dwindled to 0.13 tons for HAPs and 8.98 tons for VOCs. Because the facility has 51 emission points it is more economical to keep its Air State Facility permit than to apply for an Air Registration.

The liquid encapsulants were manufactured under processes R02, R05, and R07. These processes have been discontinued and removed from the permit. The HAPs derived from these



processes; Formaldehyde, Toluene, and Trichloroethylene (TCE), are no longer emitted from the facility. The production of the liquid encapsulants have been relocated to another facility. Only a few pieces of equipment remain in the building and in the permit. Should the liquid encapsulant line become active again, SolEpoxy does not intend to operate the production line in a manner that will produce the former HAPs associated with the encapsulant production, i.e. Formaldehyde, Toluene and TCE.

SolEpoxy also uses a Heptane Silicone release spray to ensure epoxies do not stick to their plastic mold trays, which are used to produce Light Emitting Diode (LED) product. This would be classified as a Class “B” spray coating operation in 6NYCRR Subpart 228-1. However, SolEpoxy’s actual VOC emissions are about 1 ton per year which is below the 3 ton per year applicability level that requires the use of complaint coatings. The facility must still comply with 228-1.3 General Requirements for records and housekeeping. The usage of the release spray is tracked.

The permit includes opacity and particulate emissions limits at the facility level. SolEpoxy shall not allow emissions with an average opacity during any six consecutive minutes to exceed 20 percent or greater from any stack or emission point, except only the emission of uncombined water. Similarly particulate emissions shall not exceed 0.050 grains per dry standard cubic foot from any emission point at the facility.

SolEpoxy also has two industrial size boilers, one rated at 200 horsepower and the other at 80 horsepower. Both boilers only fire natural gas, therefore they are not subject to 40 CFR63 Subpart JJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources. These boilers are rated less than 10 million Btu/hr and are exempt from permitting under 6NYCRR Part 201-3.2(c)(1)(i).

SolEpoxy has two natural gas emergency generators located at the facility and each one is rated at 34.6 horsepower, and are used only to provide backup lighting for the facility. These emergency generators are exempt from permitting under Subpart 201-3: Permit Exempt and Trivial Activities [6NYCRR Part 201-3.2(c)(6)]. 201-3.2 states that emergency power generating stationary internal combustion engines defined in 201.1(cq) are exempt sources. 200.1(cq) defines an emergency generator a stationary internal combustion engine that operates as an electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year.

However, SolEpoxy must still comply with the requirements of 40CFR63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines which is administered by EPA. The generators are existing emergency generators at an area source of hazardous air pollutants. They were manufactured in 1995. In order for the emergency engine to be in compliance with Subpart ZZZZ, the facility must follow the requirements in §63.6603(a) Table 2d, item 5, which are listed below.



(1) Change oil and filter every 500 hours of operation or annually, whichever comes first; The facility has the option to utilize an oil analysis program as specified in 40 CFR 63.6625 to extend the specified oil change requirement.

(2) Inspect the air filter every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

In addition, the engine shall be equipped with a non-resettable hour meter if one is not already installed. The engine shall be operated and maintained per the manufacturer's instructions or your own maintenance plan, per 40 CFR 63.6625(e)(3). SolEpoxy must keep records of operation, maintenance and each malfunction for both of the emergency standby generators to demonstrate compliance with 40 CFR 63 subpart ZZZZ.

SolEpoxy also has one room onsite devoted to Research and Development (R&D). This room contained about 12 mini electric ovens and a small epoxy mixing line. Because this is a small scale R&D project, it is also considered exempt from permitting under Subpart 201-3: Permit Exempt and Trivial Activities [6NYCRR Part 201-3.2(c)(40)].

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: DAVID S DENK
 DIVISION OF ENVIRONMENTAL PERMITS
 270 MICHIGAN AVE
 BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



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

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-0412-00014/02001

Facility DEC ID: 9041200014



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760

Facility: SOLEPOXY INC
211 FRANKLIN ST
OLEAN, NY 14760-1297

Authorized Activity By Standard Industrial Classification Code:
3087 - CUSTOM COMPOUND PURCHASED RESINS
3089 - PLASTICS PRODUCTS, NEC

Permit Effective Date: 07/16/2015

Permit Expiration Date: 07/15/2025



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 2 6 NYCRR 201-3.2 (a): Compliance Demonstration
- 3 6 NYCRR 211.1: Air pollution prohibited
- 4 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 5 40CFR 63.6603(a), Subpart ZZZZ: Compliance Demonstration
- 6 40CFR 63.6625(f), Subpart ZZZZ: Compliance Demonstration

Emission Unit Level

EU=U-00001

- 7 6 NYCRR 212.4 (c): Compliance Demonstration
- 8 6 NYCRR 212.6 (a): Compliance Demonstration

EU=U-00001,EP=E0017,Proc=R08

- 9 6 NYCRR 228-1.3 (a): Compliance Demonstration
- 10 6 NYCRR 228-1.3 (b) (1): Compliance Demonstration
- 11 6 NYCRR 228-1.3 (b) (2): Compliance Demonstration
- 12 6 NYCRR 228-1.3 (c): Surface Coating- Prohibitions
- 13 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 14 ECL 19-0301: Contaminant List
- 15 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 16 6 NYCRR Subpart 201-5: Emission Unit Definition
- 17 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 18 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 19 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 20 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 21 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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



required to operate such device effectively.

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

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

Item K: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: Permit Exclusion - ECL 19-0305

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

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

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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Exempt Sources - Proof of Eligibility



Effective between the dates of 07/16/2015 and 07/15/2025

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

Item 1.1:

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 2: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

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

Item 2.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500.0 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3: Air pollution prohibited
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 211.1

Item 3.1:

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 4: Compliance and Enforcement
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 4.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 5: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and



63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed, and record hours of operation, including run time during emergencies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 7: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 7.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 9-0412-00014/02001

Facility DEC ID: 9041200014



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For each stack, emissions of solid particulate are limited to less than 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. Compliance testing by the facility will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 8: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No persons 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 emissions of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation. The facility will also allow the Department to perform the Method 9 evaluation anywhere on plant property.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



Condition 9: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement: 6 NYCRR 228-1.3 (a)

Item 9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0017
Process: R08

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

Item 9.2:

Compliance Demonstration 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 will be determined by conducting observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). Observations must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry. If the operator observes any visible emissions the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions persist after corrections are made, the permittee will immediately notify the department and may be required to conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and



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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 Appendix A Method 9
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (1)

Item 10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.
4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.
5. Any additional information required to determine



compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (2)

Item 11.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: R08

Emission Point: E0017

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of emission sources not subject to 6 NYCRR Part 228-1, as set forth in Paragraphs 228-1.1(b)(9) or (13), or those sources that are using coatings not subject to specific requirements of Part 228-1 as set forth in Paragraph 228-1.3(e)(2), or Clauses 228-1.4(b)(5)(iii)(e), 228-1.4(b)(5)(iii)(i) or 228-1.4(b)(5)(iv), must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and supplier/manufacturer material data sheets for verification of VOC usage. All records required by this Paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Surface Coating- Prohibitions
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (c)



Item 12.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 12.2:

(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

Condition 13: Surface Coating - Handling, storage and disposal
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable Federal Requirement:6 NYCRR 228-1.3 (d)

Item 13.1:

This Condition applies to Emission Unit: U-00001 Emission Point: E0017
Process: R08

Item 13.2:

Within the work area(s) associated with a coating line, the owner or operator of a facility must:

(1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;

(2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;



- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (6) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (7) clean hand held spray guns by one of the following:
 - (i) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.



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

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

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 14: Contaminant List
Effective between the dates of 07/16/2015 and 07/15/2025



Applicable State Requirement:ECL 19-0301

Item 14.1:

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

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

**Condition 15: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/16/2015 and 07/15/2025**

Applicable State Requirement:6 NYCRR 201-1.4

Item 15.1:

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

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

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

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

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



Condition 16: Emission Unit Definition
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 16.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit uses batch mixing operations to produce electronic formulated liquids. This emission unit also uses blending, extruding, grinding and packaging operations to produce molding powders and coating powders. This unit contains all eleven processes at the facility; identified as R01, R03, R04, R06, R08, R09, R10, R11, R12, R13 and R14, and all 51 emission points.

Building(s): 01

Condition 17: Renewal deadlines for state facility permits
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 17.1:

The owner or operator of a facility having an issued state facility 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.

Condition 18: Compliance Demonstration
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 9
270 Michigan Ave.



Buffalo, NY 14203

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 19: Visible Emissions Limited
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR 211.2

Item 19.1:

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

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

Condition 20: Emission Point Definition By Emission Unit
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 20.1:

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

Emission Unit:	U-00001		
Emission Point:	E0001		
Height (ft.):	24	Diameter (in.):	12
NYTMN (km.):	4666.	NYTME (km.):	215.4
		Building:	01
Emission Point:	E0002		
Height (ft.):	24	Diameter (in.):	24
NYTMN (km.):	4666.	NYTME (km.):	215.4
		Building:	01
Emission Point:	E0003		
Height (ft.):	17	Diameter (in.):	2
NYTMN (km.):	4666.	NYTME (km.):	215.4
		Building:	01
Emission Point:	E0004		
Height (ft.):	17	Diameter (in.):	2
NYTMN (km.):	4666.	NYTME (km.):	215.4
		Building:	01
Emission Point:	E0012		
Height (ft.):	37	Diameter (in.):	18
NYTMN (km.):	4665.8	NYTME (km.):	215.4
		Building:	01
Emission Point:	E0013		

New York State Department of Environmental Conservation
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Height (ft.): 29 NYTMN (km.): 4665.8	Diameter (in.): 18 NYTME (km.): 215.4	Building: 01
Emission Point: E0014		
Height (ft.): 26 NYTMN (km.): 4665.8	Diameter (in.): 10 NYTME (km.): 215.4	Building: 01
Emission Point: E0015		
Height (ft.): 36 NYTMN (km.): 4665.8	Diameter (in.): 28 NYTME (km.): 215.4	Building: 01
Emission Point: E0016		
Height (ft.): 28 NYTMN (km.): 4665.8	Diameter (in.): 18 NYTME (km.): 215.4	Building: 01
Emission Point: E0017		
Height (ft.): 35 NYTMN (km.): 4665.8	Diameter (in.): 24 NYTME (km.): 215.4	Building: 01
Emission Point: E0018		
Height (ft.): 23 NYTMN (km.): 4665.8	Diameter (in.): 12 NYTME (km.): 215.4	Building: 01
Emission Point: E0019		
Height (ft.): 23 NYTMN (km.): 4665.8	Diameter (in.): 12 NYTME (km.): 215.4	Building: 01
Emission Point: E0020		
Height (ft.): 27 NYTMN (km.): 4665.8	Length (in.): 12 NYTME (km.): 215.4	Width (in.): 12 Building: 01
Emission Point: E0021		
Height (ft.): 28 NYTMN (km.): 4665.8	Diameter (in.): 16 NYTME (km.): 215.4	Building: 01
Emission Point: E0022		
Height (ft.): 20 NYTMN (km.): 4665.8	Diameter (in.): 2 NYTME (km.): 215.4	Building: 01
Emission Point: E0023		
Height (ft.): 14 NYTMN (km.): 4665.8	Diameter (in.): 2 NYTME (km.): 215.4	Building: 01
Emission Point: E0027		
Height (ft.): 30 NYTMN (km.): 4665.8	Diameter (in.): 2 NYTME (km.): 215.4	Building: 01
Emission Point: E0028		
Height (ft.): 31 NYTMN (km.): 4665.8	Diameter (in.): 2 NYTME (km.): 215.4	Building: 01
Emission Point: E0030		

New York State Department of Environmental Conservation
 Permit ID: 9-0412-00014/02001 Facility DEC ID: 9041200014



Height (ft.): 29 NYTMN (km.): 4665.8	Diameter (in.): 1 NYTME (km.): 215.4	Building: 01
Emission Point: E0031 Height (ft.): 29 NYTMN (km.): 4665.8	Diameter (in.): 3 NYTME (km.): 215.4	Building: 01
Emission Point: E0034 Height (ft.): 23 NYTMN (km.): 4665.8	Diameter (in.): 2 NYTME (km.): 215.4	Building: 01
Emission Point: E0038 Height (ft.): 17 NYTMN (km.): 4665.8	Diameter (in.): 18 NYTME (km.): 215.4	Building: 01
Emission Point: E0039 Height (ft.): 18 NYTMN (km.): 4665.8	Diameter (in.): 6 NYTME (km.): 215.4	Building: 01
Emission Point: E0041 Height (ft.): 19 NYTMN (km.): 4665.8	Diameter (in.): 4 NYTME (km.): 215.4	Building: 01
Emission Point: E0042 Height (ft.): 19 NYTMN (km.): 4665.8	Diameter (in.): 3 NYTME (km.): 215.4	Building: 01
Emission Point: E0043 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	Building: 01
Emission Point: E0044 Height (ft.): 19 NYTMN (km.): 4665.8	Diameter (in.): 4 NYTME (km.): 215.4	Building: 01
Emission Point: E0045 Height (ft.): 37 NYTMN (km.): 4665.8	Length (in.): 24 NYTME (km.): 215.4	Width (in.): 24 Building: 01
Emission Point: E0047 Height (ft.): 23 NYTMN (km.): 4665.8	Length (in.): 9 NYTME (km.): 215.4	Width (in.): 6 Building: 01
Emission Point: E0048 Height (ft.): 28 NYTMN (km.): 4665.8	Diameter (in.): 18 NYTME (km.): 215.4	Building: 01
Emission Point: E0049 Height (ft.): 17 NYTMN (km.): 4665.8	Diameter (in.): 18 NYTME (km.): 215.4	Building: 01
Emission Point: E0051		

New York State Department of Environmental Conservation
Permit ID: 9-0412-00014/02001 Facility DEC ID: 9041200014



Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 4 NYTME (km.): 215.4	Building: 01
Emission Point: E0052 Height (ft.): 27 NYTMN (km.): 4665.8	Length (in.): 12 NYTME (km.): 215.4	Width (in.): 12 Building: 01
Emission Point: E0053 Height (ft.): 19 NYTMN (km.): 4665.8	Length (in.): 10 NYTME (km.): 215.4	Width (in.): 12 Building: 01
Emission Point: E0054 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	
Emission Point: E0055 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	
Emission Point: E0056 Height (ft.): 15 NYTMN (km.): 4665.8	Diameter (in.): 4 NYTME (km.): 215.4	
Emission Point: E0057 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	
Emission Point: E0058 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	
Emission Point: E0059 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	
Emission Point: E0060 Height (ft.): 21 NYTMN (km.): 4665.8	Diameter (in.): 8 NYTME (km.): 215.4	

Condition 21: Process Definition By Emission Unit
Effective between the dates of 07/16/2015 and 07/15/2025

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1:

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

Emission Unit: U-00001
Process: R01 Source Classification Code: 3-13-065-99
Process Description:
This process contains three batch reactors used to
produce formulated liquids needed in the manufacture of



solid state electronic parts.

Emission Source/Control: C0001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0001 - Process

Emission Source/Control: S0002 - Process

Emission Source/Control: S0003 - Process

Item 21.2:

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

Emission Unit: U-00001
Process: R03 Source Classification Code: 3-13-065-99
Process Description:

An A-Tank and a K-Tank mixer used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0007 - Process

Item 21.3:

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

Emission Unit: U-00001
Process: R04 Source Classification Code: 3-13-065-99
Process Description:

This process contains several mixers and a roll mill used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0002 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: C0003 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: S0009 - Process

Emission Source/Control: S0010 - Process

Emission Source/Control: S0011 - Process

Emission Source/Control: S0013 - Process

Emission Source/Control: S0015 - Process



Emission Source/Control: S0017 - Process

Emission Source/Control: S0018 - Process

Emission Source/Control: S0019 - Process

Item 21.4:

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

Emission Unit: U-00001

Process: R06

Source Classification Code: 3-13-065-99

Process Description:

This process contains several batch reactors, a mixer and a KADY disperser used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0004 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0033 - Process

Emission Source/Control: S0037 - Process

Emission Source/Control: S0039 - Process

Item 21.5:

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

Emission Unit: U-00001

Process: R08

Source Classification Code: 3-13-065-99

Process Description:

This process contains two batch reactors, a spray booth, a weigh station, a packaging table, a mixer, a pour hood and a rack hood all used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: C0004 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0029 - Process

Emission Source/Control: S0046 - Process

Emission Source/Control: S0047 - Process

Emission Source/Control: S0048 - Process

Emission Source/Control: S0049 - Process

Emission Source/Control: S0050 - Process



Emission Source/Control: S0051 - Process

Emission Source/Control: S0052 - Process

Item 21.6:

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

Emission Unit: U-00001

Process: R09

Source Classification Code: 3-13-065-99

Process Description:

This process contains 13 ovens and two packing hoods all used to produce formulated liquids needed in the manufacture of electronic solid state parts.

Emission Source/Control: S0053 - Process

Emission Source/Control: S0055 - Process

Emission Source/Control: S0057 - Process

Emission Source/Control: S0058 - Process

Emission Source/Control: S0059 - Process

Emission Source/Control: S0060 - Process

Emission Source/Control: S0061 - Process

Emission Source/Control: S0062 - Process

Emission Source/Control: S0063 - Process

Emission Source/Control: S0100 - Process

Emission Source/Control: S0101 - Process

Emission Source/Control: S0103 - Process

Emission Source/Control: S0104 - Process

Emission Source/Control: S0105 - Process

Emission Source/Control: S0106 - Process

Item 21.7:

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

Emission Unit: U-00001

Process: R10

Source Classification Code: 3-13-065-99

Process Description:

This process contains a flash dryer and a mixer both used to produce formulated liquids needed in the manufacture of



electronic solid state parts.

Emission Source/Control: C0005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0064 - Process

Emission Source/Control: S0065 - Process

Item 21.8:

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

Emission Unit: U-00001

Process: R11

Source Classification Code: 3-13-065-99

Process Description:

This process contains seven (7) ribbon blenders, two grinders and two weigh stations used to produce molding powders and coating powders.

Emission Source/Control: C0006 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0008 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0015 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0016 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0017 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0018 - Control
Control Type: FABRIC FILTER

Emission Source/Control: C0019 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0066 - Process

Emission Source/Control: S0067 - Process

Emission Source/Control: S0068 - Process

Emission Source/Control: S0069 - Process

Emission Source/Control: S0070 - Process

Emission Source/Control: S0071 - Process



Emission Source/Control: S0072 - Process

Emission Source/Control: S0075 - Process

Emission Source/Control: S0076 - Process

Emission Source/Control: S0077 - Process

Item 21.9:

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

Emission Unit: U-00001

Process: R12

Source Classification Code: 3-13-065-99

Process Description:

This process contains six (6) extruders and a central vacuum exhaust system used to produce molding powders and coating powders.

Emission Source/Control: C0014 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0078 - Process

Emission Source/Control: S0079 - Process

Emission Source/Control: S0080 - Process

Emission Source/Control: S0081 - Process

Emission Source/Control: S0082 - Process

Emission Source/Control: S0083 - Process

Emission Source/Control: S0102 - Process

Item 21.10:

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

Emission Unit: U-00001

Process: R13

Source Classification Code: 3-13-065-99

Process Description:

This process contains two extruders and a grinder to produce scale up quantities of molding powders and coating powders.

Emission Source/Control: C0009 - Control
Control Type: FABRIC FILTER

Emission Source/Control: S0086 - Process

Emission Source/Control: S0087 - Process



Emission Source/Control: S0088 - Process

Item 21.11:

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

Emission Unit: U-00001

Process: R14

Source Classification Code: 3-13-065-99

Process Description:

This process contains packaging and classifying equipment used to produce molding powders and coating powders.

Emission Source/Control: C0010 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0091 - Process

Emission Source/Control: S0092 - Process

Emission Source/Control: S0094 - Process

