

Facility DEC ID: 3392600118

**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 3-3926-00118/00013  
Effective Date: 07/24/2023 Expiration Date: 07/23/2033

Permit Issued To: Rockland Green  
172 Main St  
Nanuet, NY 10954

Contact: Gerard Damiani  
172 Main St  
Nanuet, NY 10954  
(845) 753-2200

Facility: Rockland Green Hillburn Complex  
50 BALER BLVD & 420 TORNE VALLEY RD  
HILLBURN, NY 10931

**Description:**

Rockland Green is a Material Recovering Facility (MRF), located at 420 Torne Valley Road, Hillburn, NY, which receives and processes a dual-stream recyclables into marketable products. The glass processing system includes a pulverizer. The facility is enclosed and under negative pressure. Fugitive emissions generated during the crushing of the glass are collected via a dusting system and are passed through two Donaldson filters prior to their release to the atmosphere. The filters reportedly capture 86% of PM<sub>2.5</sub> and 100% of PM<sub>10</sub>.

This project includes replacement of the entire Material Recovery Facility (MRF), (located at 420 Torne Valley Road, Hillburn, NY) processing system with an upgraded equipment system. The glass processing system is located inside a dedicated room which is part of a large, fully enclosed building area that is isolated and not part of the operating plant. This enclosed glass-processing room contains the glass pulverized equipment and dust collector. The glass processing area will be ventilated to the dust collector for particulate matter collection before exhausting the emissions outside the MRF.

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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: REBECCA S CRIST  
21 S PUTT CORNERS RD  
NEW PALTZ, NY 12561

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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- 6 4 Permit modifications, suspensions or revocations by the Department

**Facility Level**

- 6 5 Submission of application for permit modification or renewal  
REGION 3 SUBOFFICE - White Plains

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**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 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 submitted prior to actual transfer of ownership.

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**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 3**  
**SUBOFFICE - White Plains**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

NYSDEC Regional Permit Administrator  
Region 3 - Suboffice  
Division of Environmental Permits  
220 White Plains Road  
Tarrytown, NY 10601  
(914) 428-2505

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**Permit Under the Environmental Conservation Law (ECL)**

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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Permit Issued To: Rockland Green  
172 Main St  
Nanuet, NY 10954

Facility: Rockland Green Hillburn Complex  
50 BALER BLVD & 420 TORNE VALLEY RD  
HILLBURN, NY 10931

Authorized Activity By Standard Industrial Classification Code:  
4953 - REFUSE SYSTEMS

Permit Effective Date: 07/24/2023

Permit Expiration Date: 07/23/2033

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- 7 4 6 NYCRR 212-2.4 (b): Compliance Demonstration

**Emission Unit Level**

**EU=0-00001,EP=00001**

- 8 5 6 NYCRR 212-1.5 (g): Compliance Demonstration
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- 17 13 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 18 14 6 NYCRR Subpart 201-5: Emission Unit Definition
- 19 15 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 19 16 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 20 17 6 NYCRR 211.1: Air pollution prohibited

**Emission Unit Level**

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- 20 19 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



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**FEDERALLY ENFORCEABLE CONDITIONS**

FINAL

\*\*\*\* 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,

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required to operate such device effectively.

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

(a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

**Item E: 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 F: 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 G: 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 H: Proof of Eligibility for Sources Defined as Trivial**

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**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 I: 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 J: 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 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)**

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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: Acceptable Ambient Air Quality**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Open Fires - Prohibitions**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 2.1:**

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 2.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous

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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.

**Condition 3: Visible Emissions Limited**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 211.2**

**Item 3.1:**

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.

**Condition 4: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

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

**Item 4.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

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**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of 6 NYCRR 212-2.5 (a) and (b).

Manufacturer Name/Model Number: DONALDSON TORIT DFE 3-18

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement: 6 NYCRR 212-1.5 (g)**

**Item 5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001                      Emission Point: 00001

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

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Pressure drop greater than 6 inches W.G., requires filters replacement. Immediately after new filters are installed, exhaust damper shall be adjusted so air flow

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starts at low flow and slowly increases until the pressure-drop reaches 1 inch W.G. Then damper shall open to reach design conditions. Be mindful of excessive air flow as it may shorten filter life thereby causing damage to the filter and generate air pollution.

The operators shall monitor and record in a log filter changes. All records shall be maintained in a manner acceptable to the Department for 5 years and be made available for review upon request.

Parameter Monitored: PRESSURE DROP  
 Upper Permit Limit: 6 inches of water  
 Monitoring Frequency: SEMI-ANNUALLY  
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
 SEE MONITORING DESCRIPTION  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2024.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 212-1.5 (g)**

**Item 6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001                      Emission Point: 00001

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

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Operators shall be familiar with the Operations and Maintenance manual of the unit and shall be trained once a year to refresh knowledge.

In addition, the operators shall:

1. Monitor daily exhaust of fan to ensure filter integrity - The exhaust should remain visually clean. If particulates are visible, consult the O&M manual for troubleshooting recommendations.
2. Initially monitor daily the particulates collection system for the quantity of particulates in the pail or 55

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gallon drum every day. The quantity of particulates will vary depending on how much it is generated and the frequency of collector pulse clean. The level of particulates should be graphed to determine an accurate frequency of system cleaning.

Monitoring Frequency: DAILY  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2024.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 212-1.5 (g)**

**Item 7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001                      Emission Point: 00001

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

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The operators shall monitor the operation of pulse cleaning system by inspecting diaphragms, solenoids, and timer to ensure proper filter cleaning. The operators shall check the pulse diaphragms and the electrical solenoids simultaneously. Opeartors shall activate pulse cleaning sequence by placing the control in continuous cleaning mode. Approximately every ten seconds an audible pulse should be heard.

Monitoring Frequency: QUARTERLY  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2024.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement:6 NYCRR 212-1.5 (g)**



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**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Operators shall:

1. Verify proper operation of hopper discharge system, which must be operational when the collector and fan are running. Make sure the hopper discharge openings are airtight. Consult the O&M Manual for troubleshooting recommendations.

2. Visually inspect and record weekly the operating pressure-drop across each collector. Consult the O&M Manual if unusual pressure drop occurs.

Monitoring Frequency: WEEKLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 12 calendar month(s).

**Condition 9: Compliance Demonstration**

**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement: 6 NYCRR 212-1.5 (g)**

**Item 9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

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**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The following O&M manual procedures are required to be performed MONTHLY by operators:

1. Visually inspect and record that the pressure gauge is calibrated. The gauge shall indicate zero reading when equipment is shut off.
  
2. Visually inspect and record the operating pressure drop-across the filters. A slight incremental increase in pressure-drop is normal (approximately 0.25 inches W.G. per month). An excessively faster pressure-drop rise could be an indication of a collector filter failure.  
A pressure drop of 4 inches shall be the maximum Delta P at which pulsation cleaning shall take place.  
A pressure drop of 6 inches indicates that filters are plugged hence they shall be changed.
  
3. To ensure correct pressure-drop indication, monitor and record that the plastic-tubing-pneumatic-lines which connect the pressure gauge to the inlet and outlet of the plenum are clean. To clean the pneumatic lines, remove one line at a time from the pressure drop indicating gauge barb fitting and use a minimum of 20 psi compressor air, blow through the line back towards the collector to remove any accumulated particulates.
  
3. Ensure that the moisture is being removed from the compressed air supply by using air dryers and automatic condense valves.

The facility shall maintain logs that show gauge calibration, pressure drop, and pneumatic line cleaning. The logs shall be maintained at the site in a manner acceptable to the Department for a period of five years and be made available for review upon request.

Parameter Monitored: PRESSURE DROP

Upper Permit Limit: 4 inches of water

Monitoring Frequency: MONTHLY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 12 calendar month(s).

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**Condition 10: Compliance Demonstration**

Effective between the dates of 07/24/2023 and 07/23/2033

**Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)****Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00001

**Item 10.2:**

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. The Department reserves the right to perform or require the performance of an EPA Reference Test Method 9 opacity evaluation at any time during facility operation.

The facility owner or operator shall conduct a visible emissions observation of all emission points specified by this condition once per day while the process is in operation. The facility owner or operator will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard specified below.

The facility owner or operator shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the limit specified (except the emission of uncombined water) are observed for three consecutive operating days from the same emission point, the facility owner or operator will notify the Department of the observations within one business day. The facility owner or operator will also perform an EPA Reference Test Method 9 opacity evaluation analysis of the affected emission point and submit the results to the Department.

Daily records of the visible emissions observations, any follow-up Method 9 observations, investigations, and corrective actions taken are to be maintained on site for a period of at least five years from the date of the record. Such records shall include the date and time of

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each observation, weather conditions, results of the observation, corrective actions taken, and explanations for days when weather conditions were prohibitive.

All records kept pursuant to this condition must be provided to the Department upon request.

Parameter Monitored: OPACITY  
 Upper Permit Limit: 20 percent  
 Reference Test Method: EPA Reference Test Method 9  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2024.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable Federal Requirement: 6 NYCRR 212-2.3 (a)**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00001                      Emission Point: 00001

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

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The limit shown below represents the NAAQS limit for PM2.5 (98th percentile, averaged over 3 years). An environmental Rating "A" is given for particulate matter resulting from pulverization of glass.

The particulate matter emissions vented out of this emission point shall be at all times below the national ambient air quality standards rate for particulates. At the current maximum pulverizing loading of 4.25 tons per hour, AESCREEN modeling was run and indicated that emissions met the NAAQS at the Site's property line. If the maximum emission loading is increased, then the EPA recommended air dispersion modeling shall be run again to ensure that NAAQS are met.

The following parameters are used to run AERSCREEN:

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The pulverizer’s maximum emission was calculated to be 0.255 lbs/ton of material processed, using the following equation:  $E = n * H * EF$ ,

where

$n=6$ , that is of material transfers (pulverizer, magnet, trommel outfeed, density destoner, outfeed & cyclone).

$H = 4.25$  tons/hr, that is the maximum loading rate in tons/hr, as provided by the Facility\*

$EF = 0.01$  lbs/ton (calculated as per AP-42, 5th Edition, Volume 1, Chapter 13, section 13.2.4)

Thus:  $E = 6 \text{ transfers} * 4.25 \text{ tons/hr} * 0.01 \text{ lbs/ton} = 0.25 \text{ lbs/hr}$  before controls.

Controls achieve 86% emissions capture, which brings emissions down to 0.04 lbs/hr.

The Department reserves the right to request stack testing if deemed necessary. In such a case, a stack testing protocol shall be submitted for review and approval 30 days prior to scheduling the stack test. The department shall be notified 30 days in advance prior to stack testing. A report shall be submitted no more than 45 days from the date the stack test takes place.

(\*) Note: If the facility changes this maximum loading rate they have to notify the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 35 micrograms per cubic meter

Reference Test Method: 40 CFR 60, App. A, Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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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: 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

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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 C: **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 12: Contaminant List**

**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable State Requirement:ECL 19-0301**

**Item 12.1:**

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 13: Malfunctions and Start-up/Shutdown Activities**

**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable State Requirement:6 NYCRR 201-1.4**

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**Item 13.1:**

(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 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 14: Emission Unit Definition****Effective between the dates of 07/24/2023 and 07/23/2033****Applicable State Requirement:6 NYCRR Subpart 201-5****Item 14.1:**

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

Emission Unit: 0-00001

Emission Unit Description:

Pulverizer and associated equipment - This emission unit consist of recycled glass pulverizing equipment and associated belt magnets, trommel screen infeed, trommel



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screen outfeed, density destoner outfeed and air cyclone. Emissions generated at each point of the system are captured, are passed through a self-cleaning, pulse jet, cartridge-type dust collector and then are vented to the atmosphere via a single stack.

The capture system uses Donaldson Torit DFE 3-18 and associated Ultraweb filters with reported qualify rating of MERV 15. The Donaldson filters have been tested using ASHRAE standard 52.2-2012 which resulted in the following removal efficiencies:

- 100% removal efficiency for PM less than 10 microns and greater than 3 microns,
- 96% removal efficiency for PM less than 3 microns and greater than 1 micron, and
- 86% removal efficiency for PM less than 1 micron and greater than 0.3 microns.

Building(s): MRF

**Condition 15: Renewal deadlines for state facility permits**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

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

**Item 15.1:**

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 16: Compliance Demonstration**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

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

**Item 16.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 16.2:**

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 3  
 21 South Putt Corners Rd.  
 New Paltz, NY 12561

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Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2024.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 17: Air pollution prohibited**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 17.1:**

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

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

**Condition 18: Emission Point Definition By Emission Unit**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 18.1:**

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

Emission Unit: 0-00001

Emission Point: 00001

|                       |                      |                 |
|-----------------------|----------------------|-----------------|
| Height (ft.): 17      | Length (in.): 28     | Width (in.): 22 |
| NYTMN (km.): 4555.095 | NYTME (km.): 570.972 | Building: MRF   |

**Condition 19: Process Definition By Emission Unit**  
**Effective between the dates of 07/24/2023 and 07/23/2033**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 19.1:**

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

Emission Unit: 0-00001

Process: 001

Source Classification Code: 3-05-014-13

Process Description:

This process consists of pulverizing recycled class.

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

Emission Source/Control: S0001 - Process  
Design Capacity: 4.25 tons per hour

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