

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION**

March 16, 2017

PERMIT TO INSTALL
184-08B

ISSUED TO
ReConserve of Michigan, Inc.

LOCATED AT
170 Angell Street
Battle Creek, Michigan

IN THE COUNTY OF
Calhoun

STATE REGISTRATION NUMBER
N8081

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

| | |
|--|------------|
| DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: February 21, 2017 | |
| DATE PERMIT TO INSTALL APPROVED: March 16, 2017 | SIGNATURE: |
| DATE PERMIT VOIDED: | SIGNATURE: |
| DATE PERMIT REVOKED: | SIGNATURE: |

PERMIT TO INSTALL

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Common Abbreviations / Acronyms

| Common Acronyms | | Pollutant / Measurement Abbreviations | |
|---------------------------|--|---------------------------------------|---|
| AQD | Air Quality Division | acfm | Actual cubic feet per minute |
| BACT | Best Available Control Technology | BTU | British Thermal Unit |
| CAA | Clean Air Act | °C | Degrees Celsius |
| CAM | Compliance Assurance Monitoring | CO | Carbon Monoxide |
| CEM | Continuous Emission Monitoring | CO ₂ e | Carbon Dioxide Equivalent |
| CFR | Code of Federal Regulations | dscf | Dry standard cubic foot |
| COM | Continuous Opacity Monitoring | dscm | Dry standard cubic meter |
| Department/ department | Michigan Department of Environmental Quality | °F | Degrees Fahrenheit |
| EU | Emission Unit | gr | Grains |
| FG | Flexible Group | HAP | Hazardous Air Pollutant |
| GACS | Gallons of Applied Coating Solids | Hg | Mercury |
| GC | General Condition | hr | Hour |
| GHGs | Greenhouse Gases | HP | Horsepower |
| HVLP | High Volume Low Pressure* | H ₂ S | Hydrogen Sulfide |
| ID | Identification | kW | Kilowatt |
| IRSL | Initial Risk Screening Level | lb | Pound |
| ITSL | Initial Threshold Screening Level | m | Meter |
| LAER | Lowest Achievable Emission Rate | mg | Milligram |
| MACT | Maximum Achievable Control Technology | mm | Millimeter |
| MAERS | Michigan Air Emissions Reporting System | MM | Million |
| MAP | Malfunction Abatement Plan | MW | Megawatts |
| MDEQ | Michigan Department of Environmental Quality | NMOC | Non-methane Organic Compounds |
| MSDS | Material Safety Data Sheet | NO _x | Oxides of Nitrogen |
| NA | Not Applicable | ng | Nanogram |
| NAAQS | National Ambient Air Quality Standards | PM | Particulate Matter |
| NESHAP | National Emission Standard for Hazardous Air Pollutants | PM10 | Particulate Matter equal to or less than 10 microns in diameter |
| NSPS | New Source Performance Standards | PM2.5 | Particulate Matter equal to or less than 2.5 microns in diameter |
| NSR | New Source Review | pph | Pounds per hour |
| PS | Performance Specification | ppm | Parts per million |
| PSD | Prevention of Significant Deterioration | ppmv | Parts per million by volume |
| PTE | Permanent Total Enclosure | ppmw | Parts per million by weight |
| PTI | Permit to Install | psia | Pounds per square inch absolute |
| RACT | Reasonable Available Control Technology | psig | Pounds per square inch gauge |
| ROP | Renewable Operating Permit | scf | Standard cubic feet |
| SC | Special Condition | sec | Seconds |
| SCR | Selective Catalytic Reduction | SO ₂ | Sulfur Dioxide |
| SNCR | Selective Non-Catalytic Reduction | TAC | Toxic Air Contaminant |
| SRN | State Registration Number | Temp | Temperature |
| TEQ | Toxicity Equivalence Quotient | THC | Total Hydrocarbons |
| USEPA/EPA | United States Environmental Protection Agency | tpy | Tons per year |
| VE | Visible Emissions | µg | Microgram |
| | | µm | Micrometer or Micron |
| | | VOC | Volatile Organic Compounds |
| | | yr | Year |

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
 - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

| Emission Unit ID | Emission Unit Description (Process Equipment & Control Devices) | Flexible Group ID |
|--|--|--------------------------|
| EU-RAW MATERIAL | Raw material (food by-product) receiving, transfer, and pre-processing including drum magnets, milling, and a trash reel. | NA |
| EU-DRYING | 30 MMBtu/hr natural gas-fired raw material dryer with cyclones and regenerative thermal oxidizer (RTO) for emission controls. RTO controls are bypassed during material dryer startup, shutdown and malfunction conditions only. | NA |
| EU-STORAGE SILOS | Grain by-product receiving, ag-lime receiving, material handling and three (3) storage silos. | NA |
| EU-SIZING | Product sizing operations including roto chopping with a baghouse for emission control, shaker screens, and a hammermill. | NA |
| EU-FINISHED FEED | Finished feed bay material handling, storage, and truck and railcar loadout operations. | NA |
| EU-PAPER REMOVAL | Paper and packaging material removal from feed processing utilizing a cyclone with pneumatic piping to trash compactors. | NA |
| Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290. | | |

The following conditions apply to: EU-RAW MATERIAL

DESCRIPTION: Raw material (food by-product) receiving, transfer, and pre-processing including drum magnets, milling, and a trash reel.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EU-RAW MATERIAL unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained. The permittee shall amend the fugitive dust plan within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the fugitive dust plan and any amendments to the fugitive dust plan to the AQD District Supervisor for review and approval. **(R 336.1371, R 336.1372, Act 451 324.5524)**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EU-DRYING

DESCRIPTION: 30 MMBtu/hr natural gas-fired raw material dryer with cyclones and regenerative thermal oxidizer (RTO) for emission controls.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Two (2) cyclones in parallel and an RTO

I. EMISSION LIMITS

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|-----------------------------------|---------------------------------------|----------------------------------|-----------|-----------------------------|------------------------------------|
| 1. VOC | 17.8 pph | Test protocol* | EU-DRYING | SC V.1 | R 336.1205(1)(a), R 336.1702(a) |
| 2. PM | 0.006 lb / 1000 lb of dry exhaust gas | Test protocol* | EU-DRYING | SC V.1 | R 336.1331(1)(c) |
| 3. PM10 | 0.84 pph | Test protocol* | EU-DRYING | SC V.1 | 40 CFR 52.21(c) and (d) |
| 4. PM2.5 | 0.70 pph | Test protocol* | EU-DRYING | SC V.1 | 40 CFR 52.21(d) |
| 5. Formaldehyde (CAS No. 50-00-0) | 0.04 pph | Test protocol* | EU-DRYING | SC V.1 | R 336.1225(2) |

* Test protocol shall specify averaging time.

II. MATERIAL LIMITS

| Material | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|---------------------------|-------------|--|-----------|-----------------------------|---|
| 1. Food by-products input | 300,000 tpy | 12-month rolling time period as determined at the end of each calendar month | EU-DRYING | SC VI.2 | R 336.1205(1)(a), R 336.1225, R 336.1702(a) |

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall operate EU-DRYING in accordance with a malfunction abatement plan (MAP) as described in Rule 911(2). If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1301, R 336.1910, R 336.1911, 40 CFR 52.21(c) and (d))**
2. The permittee shall capture all waste materials and shall store them in closed containers. The permittee shall dispose of all waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. **(R 336.1224, R 336.1702(a))**

3. The permittee shall immediately cease the input feed to EU-DRYING, consistent with safe operating procedures, upon initiation of the RTO bypass. Input feed to EU-DRYING shall not restart until the RTO is back on line and operating in a satisfactory manner. **(R 336.1225, R 336.1702, R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EU-DRYING unless the two (2) cyclones in parallel and RTO are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the RTO includes a minimum VOC destruction efficiency of 95 percent (by weight), maintaining a minimum temperature of 1,450°F and a minimum retention time of 0.5 seconds. Satisfactory manner includes operating and maintaining each control device in accordance with an approved MAP as required in SC III.1. **(R 336.1205, R 336.1331, R 336.1702(a), R 336.1910, 40 CFR 52.21(c) and (d))**
2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a temperature monitoring device in the combustion chamber of the RTO to monitor the temperature on a continuous basis, during operation of EU-DRYING. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1910)**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Upon request from the AQD District Supervisor, the permittee may be required to verify the VOC, PM, PM10, PM2.5, and formaldehyde (CAS No. 50-00-0) emission rates, and the VOC destruction efficiency of the RTO from EU-DRYING by testing at owner's expense, in accordance with Department requirements. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1225(2), R 336.1702, R 336.1910, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) and (d))**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition. **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall keep, in a satisfactory manner, the following information on a monthly basis for EU-DRYING:
 - a. The amount in tons of food by-products dried per calendar month.
 - b. The amount in tons of food by-products dried per 12-month rolling time period as determined at the end of each calendar month.

The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1702(a))**

3. The permittee shall record, in a satisfactory manner, the temperature in the combustion chamber of the RTO during operation of EU-DRYING. Temperature data recording shall consist of measurements made at equally spaced intervals of 10 to 15 seconds, and recorded in 3-hr block averages. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1910)**
4. The permittee shall record the date, time, duration, cause of, and response to each malfunction resulting in bypass of the RTO. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1225, R 336.1702, R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| 1. SV-RTO1 | 60 | 43.8 | R 336.1225, 40 CFR 52.21(c) and (d) |
| 2. SV-BYPASS | 48 | 18 | R 336.1225 40 CFR 52.21(c) and (d) |

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EU-STORAGE SILOS

DESCRIPTION: Grain by-product receiving, ag-lime receiving, material handling and three (3) storage silos.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Cartridge filter system or bin vent filters

I. EMISSION LIMITS

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|----------------------|-------------|----------------------------------|--|-----------------------------|------------------------------------|
| 1. Visible Emissions | 10% Opacity | 6-minute average | Vent(s) on storage silos EU-STORAGE SILOS | SC VI.2 | R 336.1301 (1)(c) |

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EU-STORAGE SILOS unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained. The permittee shall amend the fugitive dust plan within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the fugitive dust plan and any amendments to the fugitive dust plan to the AQD District Supervisor for review and approval. **(R 336.1371, R 336.1372, Act 451 324.5524)**
2. The permittee shall operate EU-STORAGE SILOS in accordance with a malfunction abatement plan (MAP) as described in Rule 911(2). If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1301, R 336.1910, R 336.1911, 40 CFR 52.21(c) and (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EU-STORAGE SILOS unless the external conveyor coverings or enclosures are installed, maintained and operated in a satisfactory manner. Satisfactory manner includes operating and maintaining each conveyor with a covering or enclosure in accordance with an approved fugitive dust plan as required in SC III.1. **(R 336.1301, 40 CFR 52.21(c) and (d))**
2. The permittee shall not operate EU-STORAGE SILOS unless the cartridge filter system or bin vent filters are installed, maintained, and operated in a satisfactory manner. Satisfactory manner includes operating and maintaining each control device in accordance with an approved MAP as required in SC III.2. **(R 336.1301, R 336.1910, 40 CFR 52.21(c) and (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301)**
2. The permittee shall monitor the bin vents to verify proper operation by taking visible emission readings, or checking for abnormal visible emissions, a minimum of once per week (when operating) from each stack identified in section VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check when operating. If abnormal visible emissions are observed, then corrective procedures as defined in the fugitive dust plan shall be implemented. Records of the visible emissions readings or observations, and any corrective actions taken shall be kept on file in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request. **(R 336.1301)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| 1. SV-Silo 1 Bin Vent | NA | 65 | 40 CFR 52.21(c) and (d) |
| 2. SV-Silo 2 Bin Vent | NA | 65 | 40 CFR 52.21(c) and (d) |
| 3. SV-Ag Silo Bin Vent | NA | 65 | 40 CFR 52.21(c) and (d) |

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EU-SIZING

DESCRIPTION: Product sizing operations including roto chopping with a baghouse for emission control, shaker screens, and a hammermill.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Baghouse

I. EMISSION LIMITS

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|----------------------|--------------------------------------|----------------------------------|------------------------------------|-----------------------------|------------------------------------|
| 1. PM | 0.01 lb / 1000 lb of dry exhaust gas | Test protocol* | Roto chopping baghouse – EU-SIZING | GC 13 | R 336.1331(1)(c) |
| 2. PM10 | 0.34 pph | Test protocol* | Roto chopping baghouse – EU-SIZING | GC 13 | 40 CFR 52.21(c) and (d) |
| 3. PM2.5 | 0.058 pph | Test protocol* | Roto chopping baghouse – EU-SIZING | GC 13 | 40 CFR 52.21(d) |
| 4. Visible Emissions | 10% Opacity | 6-minute average | Roto chopping baghouse – EU-SIZING | SC VI.2 | R 336.1301(1)(c) |

* Test protocol shall specify averaging time.

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

- The permittee shall operate EU-SIZING in accordance with a malfunction abatement plan (MAP) as described in Rule 911(2). If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1301, R 336.1910, R 336.1911, 40 CFR 52.21(c) and (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

- The permittee shall not operate the roto chopping portion of EU-SIZING unless the baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory manner includes operating and maintaining each control device in accordance with an approved MAP as required in SC III.1. **(R 336.1301, R 336.1331, R 336.1910, 40 CFR 52.21(c) and (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301)**
2. The permittee shall monitor the roto chopping baghouse to verify proper operation by taking visible emission readings, or checking for abnormal visible emissions, a minimum of once per week (when operating) from each stack identified in section VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check when operating. If abnormal visible emissions are observed, then corrective procedures as defined in the MAP shall be implemented. Records of the visible emissions readings or observations, and any corrective actions taken shall be kept on file in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request. **(R 336.1301)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| 1. SV-Roto Chop | 33 | 34 | 40 CFR 52.21(c) and (d) |

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EU-FINISHED FEED

DESCRIPTION: Finished feed bay material handling, storage, and truck and railcar loadout operations.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EU-FINISHED FEED unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained. The permittee shall amend the fugitive dust plan within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the fugitive dust plan and any amendments to the fugitive dust plan to the AQD District Supervisor for review and approval. **(R 336.1371, R 336.1372, Act 451 324.5524)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate EU-FINISHED FEED unless the external conveyor covers or enclosures are installed, maintained and operated in a satisfactory manner. Satisfactory manner includes operating and maintaining each conveyor with a cover or enclosure in accordance with an approved fugitive dust plan as required in SC III.1. **(R 336.1301, 40 CFR 52.21(c) and (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EU-PAPER REMOVAL

DESCRIPTION: Paper and packaging material removal from feed processing utilizing a cyclone with pneumatic piping to trash compactors.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

| Pollutant | Limit | Time Period / Operating Scenario | Equipment | Testing / Monitoring Method | Underlying Applicable Requirements |
|----------------------|--------------|---|------------------|--|---|
| 1. Visible Emissions | 10% Opacity | 6-minute average | EU-PAPER REMOVAL | SC VI.2 | R 336.1301(1)(c) |

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EU-PAPER REMOVAL unless the program for continuous fugitive emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained. The permittee shall amend the fugitive dust plan within 45 days if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the fugitive dust plan and any amendments to the fugitive dust plan to the AQD District Supervisor for review and approval. **(R 336.1371, R 336.1372, Act 451 324.5524)**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required records and calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1301)**

- The permittee shall monitor EU-PAPER REMOVAL to verify proper operation by taking visible emission readings, or checking for abnormal visible emissions, a minimum of once per week (when operating) from each stack identified in section VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check when operating. If abnormal visible emissions are observed, then corrective procedures shall be implemented. Records of the visible emissions readings or observations, and any corrective actions taken shall be kept on file in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request. **(R 336.1301)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

| Stack & Vent ID | Maximum Exhaust Diameter/Dimensions (inches) | Minimum Height Above Ground (feet) | Underlying Applicable Requirements |
|----------------------------|---|---|---|
| 1. SV-Paper Removal | 36 | 30 | 40 CFR 52.21(c) and (d) |

IX. OTHER REQUIREMENTS

NA

Footnotes:

¹This condition is state only enforceable and was established pursuant to Rule 201(1)(b).