

**MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY  
AIR QUALITY DIVISION**

EFFECTIVE DATE: July 22, 2020  
REVISION DATE: October 12, 2020

ISSUED TO

**Post Foods, LLC**

State Registration Number (SRN): B1548

LOCATED AT

275 Cliff Street, Battle Creek, Calhoun County, Michigan 49014

**RENEWABLE OPERATING PERMIT**

Permit Number: MI-ROP-B1548-2020a

Expiration Date: July 22, 2025

Administratively Complete ROP Renewal Application Due Between January 22, 2024 and  
January 22, 2025

This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Pursuant to Rule 210(1) of the administrative rules promulgated under Act 451, this ROP constitutes the permittee's authority to operate the stationary source identified above in accordance with the general conditions, special conditions and attachments contained herein. Operation of the stationary source and all emission units listed in the permit are subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

**SOURCE-WIDE PERMIT TO INSTALL**

Permit Number: MI-PTI-B1548-2020a

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(1) of Act 451. Pursuant to Rule 214a of the administrative rules promulgated under Act 451, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

Michigan Department of Environment, Great Lakes, and Energy

*Rex Lane*

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Rex Lane, District Supervisor

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## AUTHORITY AND ENFORCEABILITY

For the purpose of this permit, the **permittee** is defined as any person who owns or operates an emission unit at a stationary source for which this permit has been issued. The **department** is defined in Rule 104(d) as the Director of the Michigan Department of Environment, Great Lakes, and Energy (EGLE) or his or her designee.

The permittee shall comply with all specific details in the permit terms and conditions and the cited underlying applicable requirements. All terms and conditions in this ROP are both federally enforceable and state enforceable unless otherwise footnoted. Certain terms and conditions are applicable to most stationary sources for which an ROP has been issued. These general conditions are included in Part A of this ROP. Other terms and conditions may apply to a specific emission unit, several emission units which are represented as a flexible group, or the entire stationary source which is represented as a Source-Wide group. Special conditions are identified in Parts B, C, D and/or the appendices.

In accordance with Rule 213(2)(a), all underlying applicable requirements are identified for each ROP term or condition. All terms and conditions that are included in a PTI are streamlined, subsumed and/or is state-only enforceable will be noted as such.

In accordance with Section 5507 of Act 451, the permittee has included in the ROP application a compliance certification, a schedule of compliance, and a compliance plan. For applicable requirements with which the source is in compliance, the source will continue to comply with these requirements. For applicable requirements with which the source is not in compliance, the source will comply with the detailed schedule of compliance requirements that are incorporated as an appendix in this ROP. Furthermore, for any applicable requirements effective after the date of issuance of this ROP, the stationary source will meet the requirements on a timely basis, unless the underlying applicable requirement requires a more detailed schedule of compliance.

Issuance of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

## A. GENERAL CONDITIONS

### Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**
- Those conditions that are hereby incorporated in a state-only enforceable Source-Wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R 336.1214a(5))**
- Those conditions that are hereby incorporated in a federally enforceable Source-Wide PTI pursuant to Rule 201(2)(c) are designated by footnote two. **(R 336.1213(5)(b), R 336.1214a(3))**

### General Provisions

1. The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA. **(R 336.1213(1)(a))**
2. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP. **(R 336.1213(1)(b))**
3. This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rule 215 and Rule 216. **(R 336.1213(1)(c))**
4. The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: **(R 336.1213(1)(d))**
  - a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.
  - c. Inspect, at reasonable times, any of the following:
    - i. Any stationary source.
    - ii. Any emission unit.
    - iii. Any equipment, including monitoring and air pollution control equipment.
    - iv. Any work practices or operations regulated or required under the ROP.
  - d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.
5. The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

6. A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP. **(R 336.1213(1)(f))**
7. The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451. **(R 336.1213(1)(g))**
8. This ROP does not convey any property rights or any exclusive privilege. **(R 336.1213(1)(h))**

### **Equipment & Design**

9. Any 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 Rule 370(2).<sup>2</sup> **(R 336.1370)**
10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

### **Emission Limits**

11. Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in Subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following:"<sup>2</sup> **(R 336.1301(1))**
  - a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.
  - b. A limit specified by an applicable federal new source performance standard.

The grading of visible emissions shall be determined in accordance with Rule 303.

12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
  - a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.<sup>1</sup> **(R 336.1901(a))**
  - b. Unreasonable interference with the comfortable enjoyment of life and property.<sup>1</sup> **(R 336.1901(b))**

### **Testing/Sampling**

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).<sup>2</sup> **(R 336.2001)**
14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**
15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(5))**

## Monitoring/Recordkeeping

16. Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate. **(R 336.1213(3)(b))**
  - a. The date, location, time, and method of sampling or measurements.
  - b. The dates the analyses of the samples were performed.
  - c. The company or entity that performed the analyses of the samples.
  - d. The analytical techniques or methods used.
  - e. The results of the analyses.
  - f. The related process operating conditions or parameters that existed at the time of sampling or measurement.
17. All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP. **(R 336.1213(1)(e), R 336.1213(3)(b)(ii))**

## Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. **(R 336.1213(3)(c))**
19. A Responsible Official shall certify to the appropriate AQD District Office and to the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate AQD District Office pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, Illinois 60604-3507. **(R 336.1213(4)(c))**
20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**
21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP. **(R 336.1213(3)(c))**
  - a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
  - b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
  - c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

22. For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: **(R 336.1213(3)(c))**
  - a. Submitting a certification by a Responsible Official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
  - b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a Responsible Official which states that; “based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete.” The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.
23. Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate AQD District Office. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports. **(R 336.1213(3)(c)(i))**
24. On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department. **(R 336.1212(6))**
25. 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 appropriate AQD District Office. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate AQD District Supervisor 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 conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a Responsible Official in a manner consistent with the CAA.<sup>2</sup> **(R 336.1912)**

## Permit Shield

26. Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance if either of the following provisions is satisfied. **(R 336.1213(6)(a)(i), R 336.1213(6)(a)(ii))**
  - a. The applicable requirements are included and are specifically identified in the ROP.
  - b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source.

Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.

27. Nothing in this ROP shall alter or affect any of the following:
  - a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the USEPA under Section 303 of the CAA. **(R 336.1213(6)(b)(i))**
  - b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. **(R 336.1213(6)(b)(ii))**
  - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. **(R 336.1213(6)(b)(iii))**

- d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA. **(R 336.1213(6)(b)(iv))**
28. The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following:
- a. Operational flexibility changes made pursuant to Rule 215. **(R 336.1215(5))**
  - b. Administrative Amendments made pursuant to Rule 216(1)(a)(i)-(iv). **(R 336.1216(1)(b)(iii))**
  - c. Administrative Amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. **(R 336.1216(1)(c)(iii))**
  - d. Minor Permit Modifications made pursuant to Rule 216(2). **(R 336.1216(2)(f))**
  - e. State-Only Modifications made pursuant to Rule 216(4) until the changes have been approved by the department. **(R 336.1216(4)(e))**
29. Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action. **(R 336.1217(1)(c), R 336.1217(1)(a))**

## Revisions

30. For changes to any process or process equipment covered by this ROP that do not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**
31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(2))**
32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(10))**
33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(iii), R 336.1216(2)(d), R 336.1216(4)(d))**

## Reopenings

34. A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances:
- a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. **(R 336.1217(2)(a)(i))**
  - b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. **(R 336.1217(2)(a)(ii))**
  - c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. **(R 336.1217(2)(a)(iii))**
  - d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements. **(R 336.1217(2)(a)(iv))**

## Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(9))**

## Stratospheric Ozone Protection

36. If the permittee is subject to Title 40 of the Code of Federal Regulations (CFR), Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimer, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.
37. If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.

## Risk Management Plan

38. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).
39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates as provided in 40 CFR 68.10(a):
- June 21, 1999,
  - Three years after the date on which a regulated substance is first listed under 40 CFR 68.130, or
  - The date on which a regulated substance is first present above a threshold quantity in a process.
40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.
41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

## Emission Trading

42. Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216. **(R 336.1213(12))**

## Permit to Install (PTI)

43. The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.<sup>2</sup> **(R 336.1201(1))**
44. The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.<sup>2</sup> **(R 336.1201(8), Section 5510 of Act 451)**
45. The terms and conditions of a PTI 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 the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI 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 Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, EGLE.<sup>2</sup> **(R 336.1219)**
46. If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months of the original PTI issuance date, or has been interrupted for 18 months, the applicable terms and conditions from that PTI, as incorporated into the ROP, shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, EGLE, AQD, P. O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.<sup>2</sup> **(R 336.1201(4))**

### Footnotes:

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## **B. SOURCE-WIDE CONDITIONS**

Part B outlines the Source-Wide Terms and Conditions that apply to this stationary source. The permittee is subject to these special conditions for the stationary source in addition to the general conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply to this source, NA (not applicable) has been used in the table. If there are no Source-Wide Conditions, this section will be left blank.

## SOURCE-WIDE CONDITIONS

### DESCRIPTION

The following conditions apply source-wide to all process equipment including equipment covered by other permits, grand-fathered equipment and exempt equipment.

### POLLUTION CONTROL EQUIPMENT

Various

#### I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	Less than 225 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	SOURCE-WIDE	SC VI.3	R 336.1205(3)
2. PM-10	Less than 225 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	SOURCE-WIDE	SC VI.3	R 336.1205(3)

#### II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Natural gas	527.6 million cubic feet <sup>2</sup>	12-month rolling time period	SOURCE-WIDE excluding equipment in FGBOILERS	SC VI.2	R 336.1205

#### III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate SOURCE-WIDE unless a malfunction abatement plan (MAP) as described in Rule 911(2), for the pollution control equipment, has been implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

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 AQD District Supervisor. The permittee shall submit the MAP and 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 MAP or 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.<sup>2</sup> (R 336.1225, R 336.1331, R 336.1702(a), R 336.1910, R 336.1911, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production and/or calendar month, for the previous production and/or calendar month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205(3))
2. The permittee shall keep monthly and 12-month rolling time period natural gas use and No. 2 fuel oil use records for SOURCE-WIDE. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1205(3))
3. The permittee shall keep the following information on a monthly basis for all equipment source-wide:
  - a. PM and PM-10 emission calculations determining the monthly emission rate in tons per production month.
  - b. PM and PM-10 emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month.

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1205(3))

4. The permittee shall keep a record of all maintenance and corrective actions performed in accordance with the facility's MAP and Preventative Maintenance Plan. (R 336.1213(3))

#### **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))
4. When using the exemptions provided in R 336.1279 through R 336.1290, if any emission unit or portion of an emission unit is replaced with an equivalent-emitting or lower-emitting emission unit, the permittee shall notify the AQD District Supervisor of such change-out and submit acceptable emissions data to show that the alternate emission unit is equivalent-emitting or lower-emitting. The data shall be submitted within 30-days of the emission unit modification.<sup>2</sup> (R 336.1205, R 336.1911, R 336.2803, R 336.2804, 40 CFR 52.21 (c) and (d))

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup>This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

### C. EMISSION UNIT SPECIAL CONDITIONS

Part C outlines terms and conditions that are specific to individual emission units listed in the Emission Unit Summary Table. The permittee is subject to the special conditions for each emission unit in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no conditions specific to individual emission units, this section will be left blank.

#### EMISSION UNIT SUMMARY TABLE

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

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU401	Cooking (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU402	Cooking (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU403	Cooking (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU404	Cooking (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU407	Drying (Baghouse407) - CAM subject	01-01-1937/ 10-17-2011	FGBLD-4Rice/Bran, FGCAM_UNITS
EU409	Airveying (Baghouse409)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU410	Airveying and receiving (Baghouse410)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU413	Drying (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU414	Drying (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU415	Drying (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU416	Drying (uncontrolled)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU417	Drying (Baghouse417) - CAM subject	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran, FGCAM_UNITS
EU418	Drying (Baghouse418) - CAM subject	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran, FGCAM_UNITS
EU419	Drying, airveying, and receiving (Baghouse419) - CAM subject	01-01-1937/ 10-17-2011	FGBLD-4Rice/Bran, FGCAM_UNITS
EU420	Drying (Baghouse420) - CAM subject	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran, FGCAM_UNITS
EU421	Airveying and receiving (Baghouse421)	01-01-1937/ 01-01-1991	FGBLD-4Rice/Bran
EU422	Airveying and receiving (Baghouse422)	01-01-1970/ 01-01-1991	FGBLD-4Rice/Bran
EU423	Airveying, receiving, and harvestores (Baghouse423)	01-01-1970/ 01-01-1991	FGBLD-4Rice/Bran

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU425	Drying (uncontrolled)	01-01-1-970/ 01-01-1992	FGBLD-4Rice/Bran
EU427	Conveying, airveying, packaging, weighing, surge bins, accumaveying, and receiving (Aerodyne427) - CAM subject	01-01-1970/ 01-01-1994/ 10-16-2013	FGBLD-4Rice/Bran, FGCAM_UNITS
EU428	Cooling (Dual Cyclone428)	01-01-1970/ 01-01-1992	FGBLD-4Rice/Bran
EU429	Drying (Internal Dust Sep429)	01-01-1970/ 01-01-1992/ 08-20-2013	FGBLD-4Rice/Bran
EU430	Drying (Aerodyne430) - CAM subject	01-01-1970/ 01-01-1992/ 12-19-2014	FG-477_Coating, FGCAM_UNITS
EU433	Weighing, drying, airveying, and receiving (Aerodyne433) - CAM subject	01-01-1970/ 09-01-1999/ 12-19-2014	FG-477_Coating, FGCAM_UNITS
EU434	Airveying and receiving (Baghouse434)	01-01-1937/ 01-01-1991	FGBLD-4Rice/Bran
EU435	Aspirating, classifying, separating, weighing, airveying, and receiving (Baghouse435) - CAM subject	01-01-1937/ 01-01-1991	FG-Milling, FGCAM_UNITS
EU436	Destoning, separating, airveying, sizing, and receiving (Baghouse436)	01-01-1937/ 01-01-1991	FG-Milling
EU437	Roller milling, scouring, aspirating, separating, sizing, bins, and airlocks (Baghouse437)	01-01-1937/ 01-01-1991	FG-Milling
EU438	Airveying and receiving (Baghouse438)	01-01-1937/ 01-01-1991	FG-Milling
EU447	Dryer room air vent (Panel Filter447)	01-01-1937/ 01-01-1994	FGBLD-4Rice/Bran
EU475	Airveying and receiving (Baghouse475)	01-01-1937/ 01-01-1991	FGBLD-4Rice/Bran
EU477	Coating operation, tempering, and grading (Wet Rotoclone477)	01-01-1970/ 07-01-1999/ 12-19-2014	FG-477_Coating
EU486	Conveying, weighing, airveying, and receiving (Baghouse486)	01-01-1937/ 01-01-1994/ 10-16-2013	FGBLD-4Rice/Bran
EU488	Coating process controlled by Wet Scrubber488.  Emissions from an existing curing, airveying, receiving, grading, and conveying operations identified formerly as EU487 are ducted into existing Wet Scrubber488	03-06-2001/ 10-16-2013/ 05-29-2020  01-01-37/ 01-01-94	FG-488_Coating
EU489	Drying (Internal Dust Sep489)	09-30-2003/ 10-17-2011	FGBLD-4Rice/Bran
EU490	Grinding (Baghouse490)	08-20-2009/ 08-20-2013	FGBLD-4Rice/Bran
EU491	Airveying (Baghouse491)	12-21-2009/ 08-20-2013	FGBLD-4Rice/Bran

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU492	Conveying, scaling, receiving, and grinding (Baghouse492) - CAM subject	12-21-2010/ 08-20-2013	FGBLD-4Rice/Bran, FGCAM_UNITS
EU494	Drying (uncontrolled)	10-16-2013/NA	FG-488_Coating
EU495	Cooling (Horiz Dust Sep495)	10-16-2013/NA	FG-488_Coating
EU496	Airveying and receiving (Baghouse496)	10-16-2013/NA	FGBLD-4Rice/Bran
EU497	Airveying and receiving (Baghouse497)	10-16-2013/NA	FGBLD-4Rice/Bran
EU901	Airveying and receiving (Baghouse901)	01-01-1964/NA	FG-Milling
EU903	Harvestore (Baghouse903)	01-01-1964/ 01-24-2012	FG-Milling
EU905	Harvestore (Baghouse905)	01-01-1964/ 01-24-2012	FG-Milling
EU907	Harvestore (Baghouse907)	01-01-1964/ 01-24-2012	FG-Milling
EU908	Harvestore (Baghouse908)	01-01-1964/ 01-24-2012	FG-Milling
EU1101	Augering, grain cleaning, bucket elevating, airlocks, and bins (Baghouse1101) - CAM subject	01-01-1929/ 01-01-1991/ 10-01-2017	FGGrainReceiving, FGCAM_UNITS
EU1105	Airveying and receiving (Baghouse1105)	01-01-1929/ 01-01-1991	FGGrainReceiving
EU1106	Silo (Baghouse1106)	07-04-2009/ 08-20-2013	FGGrainReceiving
EU1107	Silo (Baghouse1107)	07-04-2009/ 08-20-2013	FGGrainReceiving
EU1701	Separating and expansion chamber (Aerodyne1701) - CAM subject	01-01-1949/ 01-01-1997	FG-17-20-32Cereal, FGCAM_UNITS
EU1702	Aspirating, airveying, conveying, and cooling (Aerodyne1702) - CAM subject	01-01-1949/ 01-01-1990	FG-17-20-32Cereal, FGCAM_UNITS
EU1703	Drying, pearling, aspirating, conveying, airveying, receiving, grading, weighing, bucket elevating, and cooling (Aerodyne1703) - CAM subject	01-01-1949/ 01-01-1990	FG-17-20-32Cereal, FGCAM_UNITS
EU1704	Bin (Filter Box1704)	01-01-1949/ 01-01-1990	FG-17-20-32Cereal
EU1707	Coating operation (Wet Rotoclone1707)	01-01-1949/ 06-28-2010	FG-17-20-32Cereal
EU1710	Coating operation (Wet Rotoclone1710)	01-01-1949/ 06-28-2010	FG-17-20-32Cereal
EU1719	Preheating (uncontrolled)	01-01-1949/ 01-01-1990	FG-17-20-32Cereal
EU1720	Expansion chamber (Cyclone1720)	01-01-1949/ 01-01-1990	FG-17-20-32Cereal
EU1723	Aspirating and separating (Baghouse1723) - CAM subject	01-01-1949/ 01-01-1990	FG-17-20-32Cereal, FGCAM_UNITS
EU1724	Sorting, conveying, and accumaveying (Wet Scrubber1724 and Cyclone1724)	01-01-1949/ 01-01-1997	FG-17-20-32Cereal
EU1725	Coating, conveying, drying, weighing, packing, dumping, unloading, and bin(s) (Wet Scrubber1725)	08-01-1999/NA	NA
EU2001	Weighing & packing (Baghouse2001) - CAM subject	01-01-1928/ 12-25-1999	FG-17-20-32Cereal, FGCAM_UNITS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU2007	Separating, aspirating, and weighing (Baghouse2007)	01-01-1928/ 01-01-1995	FG-Milling
EU2008	Airveying, weighing, and receiving (Baghouse2008)	01-01-1928/ 01-01-1995	FG-Milling
EU2009	Destoning, aspirating, scouring, and airlocks (Baghouse2009)	01-01-1928/ 01-01-1995	FG-Milling
EU2010	Receiving and storage (Baghouse2010)	01-01-1928/ 01-01-1995	FG-Milling
EU2011	Cleaning, scouring, unloading, surge bins, receiving and airlocks (Baghouse2011)- CAM subject	01-01-1928/ 01-01-1995/ 07-21-2014/ 06-28-2016	FG-Milling, FGCAM UNITS
EU2014	Receiving and airveying (Baghouse 2014)	01-01-1928/ 01-02-2002/ 07-04-2015	FG-Milling
EU2015	Drying (Dual Cyclones2015)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2016	Drying (Dual Cyclones2016)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2024	Conveying, bucket elevating, and expansion chamber (Wet Scrubber2024)	01-01-1958/ 11-28-1997	FG-17-20-32Cereal
EU2025	Preheating (Dry Rotoclone2025)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2026	Preheating (Dry Rotoclone 2026)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2027	Weighing (Baghouse2027) - CAM subject	01-01-1958/ 01-01-1995	FG-17-20-32Cereal, FGCAM_UNITS
EU2028	Coating operation (Wet Scrubber2028)	01-01-1958/ 01-01-1997/ 03-07-2013	FG-2028_Coating
EU2029	Coating reel spout pick-ups (Baghouse2029)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2031	Weighing (Baghouse2031)	01-01-1958/ 01-01-1995	FG-17-20-32Cereal
EU2032	Conveying and bucket elevating (Baghouse2032) - CAM subject	01-01-1958/ 01-01-1995	FG-17-20-32Cereal, FGCAM_UNITS
EU2033	Drying (uncontrolled)	01-01-1958/ 01-01-1995/ 03-07-2013	FG-2028_Coating
EU2034	Drying (uncontrolled)	01-01-1958/ 01-01-1995/ 03-07-2013	FG-2028_Coating
EU2035	Grinding, blending, and weighing (Baghouse2035) - CAM subject	01-01-1958/ 01-01-1999	FG-17-20-32Cereal, FGCAM_UNITS
EU2052	Harvestore silo (Filter Sock2052)	01-01-1928/NA	FG-Milling
EU2053	Harvestore silo (Filter Sock2053)	01-01-1928/NA	FG-Milling
EU2054	Harvestore silo (Filter Sock2054)	01-01-1928/NA	FG-Milling
EU2055	Harvestore silo (Filter Sock2055)	01-01-1928/NA	FG-Milling
EU2091	Conveying, accumaveying, and surge bins (Wet Scrubber2091 and Aerodyne2091)-CAM subject	01-01-1958/ 01-01-1995	FG-17-20-32Cereal, FGCAM_UNITS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU2092	Packing, conveying, tote filling, and surge bins (Wet Scrubber2092 and Aerodyne2092) - CAM subject	01-01-1958/ 01-01-1995	FG-17-20-32Cereal, FGCAM_UNITS
EU2094	Silo (Baghouse2094)	01-01-1927/ 02-18-1997	FG-Milling
EU2095	Silo (Baghouse2095)	01-01-1927/ 02-18-1997	FG-Milling
EU2096	Conveying, weighing, hood, and surge bin (Wet Scrubber2096 and Cyclone2096)	01-01-1958/ 01-01-1997	FG-17-20-32Cereal
EU2097	Surge bins (uncontrolled)	12-01-1997/NA	FG-17-20-32Cereal
EU20100	Blending, receiving, weighing, augering, airveying, and bins (Baghouse20100)	01-01-1928/ 12-01-2000/ 07-04-2017	FG-Milling
EU20101	Receiving and airveying (Baghouse20101)	01-01-1928/ 12-01-2000/ 07-04-2017	FG-Milling
EU20102	Receiving (Baghouse20102); internal discharge	12-31-2009/NA	FG-17-20-32Cereal
EU20103	Flaking (Wet Rotoclone20103)	12-31-2009/NA	FG-17-20-32Cereal
EU20104	Drying, cooling (Wet Rotoclone20104)	12-31-2009/NA	FG-17-20-32Cereal
EU20106	Receiving (Baghouse20106)	07-04-2008/ 08-20-2013/ 07-21-2014	FG_Milling
EU20107	Receiving and bins (Baghouse20107)	07-04-2008/ 08-20-2013/ 07-21-2014	FG_Milling
EU20108	Oven (uncontrolled) - 10 MMBtu/hr natural gas-fired oven	08-04-2014/NA	FG-20108_Baking
EU20109	Drying (uncontrolled) - 12 MMBtu/hr natural gas-fired 4-pass dryer	08-04-2014/NA	FG-20108_Baking
EU20110	Drying (uncontrolled) - 9 MMBtu/hr natural gas-fired 3-pass dryer	08-04-2014/NA	FG-20108_Baking
EU20111	Drying (Horiz Dust Sep20111)	08-04-2014/NA	FG-20108_Baking
EU20112	Receiving and rolls (Baghouse20112); internal discharge	08-04-2014/NA	FG-20108_Baking
EU20115	Accumaveyor (Cartridge Filter) with internal discharge	07-04-2016	FGRULE290
EU2101	Grain storage tanks used to hold wheat and other grains. These grains are airveyed to production buildings as needed (Baghouse2101)-CAM subject.	01-01-1917/ 01-01-1974/ 08-20-2013	FGGrainReceiving, FGCAM_UNITS
EU2902	Cooling (Cyclone2902)	01-01-1932/ 05-08-2008	FGBLD-29Cereal
EU2906	Receiving (Baghouse2906)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2909	Drying (uncontrolled)	01-01-1952/ 12-17-1999	FGBLD-29Cereal
EU2910	Airveying, weighing, receiving, conveying, bump rolls, aspirating and bins (Baghouse2910) - CAM subject	01-01-1937/ 04-30-2010/ 02-19-2014	FGBLD-29Cereal, FGCAM_UNITS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU2914	Drying, conveying, airveying, and receiving (Aerodyne2914) - CAM subject	01-01-1932/ 12-16-2010	FGBLD-29Cereal, FGCAM_UNITS
EU2916	Conveying (uncontrolled)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2917	Conveying (uncontrolled)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2918	Drying (uncontrolled)	01-01-1970/ 01-01-1995	FGBLD-29Cereal
EU2919	Drying (Dual Cyclones2919)	01-01-1932/ 01-01-1985	FGBLD-29Cereal
EU2920	Toasting/drying (Dual Cyclones2920)	01-01-1932/ 01-01-1985	FGBLD-29Cereal
EU2921	Coating operation (Wet Rotoclone2921)	01-01-1932/ 01-01-1985	FGBLD-29Cereal
EU2922	Airveying, receiving, and augering (Aerodyne2922) - CAM subject	01-01-1952/ 09-09-1996	FGBLD-29Cereal, FGCAM_UNITS
EU2923	Drying (uncontrolled)	01-01-1932/ 01-01-1985	FGBLD-29Cereal
EU2924	Airveying and receiving (Baghouse2924)	01-01-1937/ 01-01-1985	FGBLD-29Cereal
EU2925	Airveying and receiving (Baghouse2925)	07-04-2008/ 08-20-2013	FGBLD-29Cereal
EU2928	Airveying, receiving, bins, aspirating, weighing, and spreading (Baghouse2928) -CAM subject	01-01-1937/ 01-01-1985	FGBLD-29Cereal, FGCAM_UNITS
EU2929	Cooling (Dual Cyclones2929)	01-01-1932/ 01-01-1985	FGBLD-29Cereal
EU2930	Cooling (Dual Cyclones2930)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2931	Toasting/drying (Dual Cyclones2931)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2932	Toasting/drying (Dual Cyclones2932)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2934	Tote filling and packing (Horiz Dust Sep2934 and Wet Scrubber2934)	01-01-1952/ 04-30-2010	FGBLD-29Cereal,
EU2935	Airveying and skimming (Baghouse2935)	01-01-1952/ 01-01-1995	FGBLD-29Cereal
EU2940	Cooling (Horiz Dust Sep2940)	01-01-1937/ 11-23-2010	FGBLD-29Cereal
EU2983	Coating operation (Wet Rotoclone2983) (CAM subject when operating the oxidizer)	01-01-1952/ 02-15-2011/ 08-20-2013	FG2983CoatOxdOff, FG2983CoatOxdOn
EU2984	Drying (Wet Scrubber2984)	01-01-1952/ 12-17-1999	FGBLD-29Cereal
EU2985	Drying (uncontrolled)	01-01-1952/ 02-15-2011	FG2983CoatOxdOn, FG2983CoatOxdOff
EU2986	Accumaveying, curing, and flaking rolls (Wet Scrubber2986)	01-01-1952/ 11-01-2009	FGBLD-29Cereal
EU2989	Conveying (Baghouse2989); internal discharge	12-08-1995/ 05-08-2008	FGBLD-29Cereal
EU2990	Conveying (Baghouse2990); internal discharge	12-08-1995/ 05-08-2008	FGBLD-29Cereal

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU29109	Toasting/drying (Internal Dust Sep29109)	01-02-2001/ 08-20-2013	FGBLD-29Cereal
EU29110	Airveying and receiving (Baghouse29110 and Canister Filter29110)	01-01-1997/NA	FGBLD-29Cereal
EU29111	Airveying and receiving (Canister Filter29111)	01-01-2004/NA	FGBLD-29Cereal
EU29112	Airveying and receiving (Canister Filter29112)	01-01-2004/NA	FGBLD-29Cereal
EU29114	Feed receiving cyclone (Canister Filter29114)	05-08-2008/NA	FGBLD-29Cereal
EU29115	Food receiving cyclone (Canister Filter29115)	05-08-2008/NA	FGBLD-29Cereal
EU29116	Drying (Cyclone29116)	03-28-2008/NA	FGBLD-29Cereal
EU29117	Toasting/drying (Internal Dust Sep29117)	05-08-2008/NA	FGBLD-29Cereal
EU29118	Puffing/drying (Internal Dust Sep29118)	05-08-2008/NA	FGBLD-29Cereal
EU29119	Drying (uncontrolled)	05-08-2008/ 02-15-2011	FG2983CoatOxdOn, FG2983CoatOxdOff
EU29120	Drying (Cyclone29120)	02-16-2009/ 08-20-2013	FGBLD-29Cereal
EU29121	Drying (Internal Dust Sep29121)	04-30-2010/NA	FGBLD-29Cereal
EU29122	Cooling/conveying and augering (Horiz Dust Sep29122 and Wet Scrubber29122) - CAM subject	04-30-2010/ 05-08-2012/ 02-19-2014	FGBLD-29Cereal, FGCAM_UNITS
EU29123	Drying (Internal Dust Sep29123)	04-30-2010/NA	FGBLD-29Cereal
EU29124	Drying (uncontrolled)	12-16-2010/NA	FGBLD-29Cereal
EU3210	Drying (uncontrolled)	01-01-1995/NA	FG-3210_Coating
EU3217	Airveying and receiving (Baghouse3217)	01-01-1995/ 06-18-2000	FG-17-20-32Cereal
EU3225	Drying (uncontrolled)	01-01-1993/NA	FG32BLD-CCP
EU3225A	Drying (uncontrolled)	01-01-1993/NA	FG32BLD-CCP
EU3228	Augering (Baghouse3228); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3231	Blended dry ingredient delivery system (Baghouse3231); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3269	Room Exhaust (Filter Box3269)	08-25-2012/ 08-20-2013	FG-17-20-32Cereal
EU3288	Coating and flavor adding (Wet Rotoclone3288)	01-01-1993/NA	FG32BLD-CCP
EU3289A	Drying (Cyclones3289A)	01-01-1993/NA	FG32BLD-CCP
EU3289B	Toasting (Cyclones3289B)	01-01-1993/NA	FG32BLD-CCP
EU3290	Conveying, accumaveying, grading, cooling, and weighing (Wet Scrubber3290 and Dual Cyclone3290)	01-01-1993/NA	FG32BLD-CCP
EU3291	Blending, augering, and receiving (Wet Scrubber3291 and Dual Cyclone3291)	01-01-1993/NA	FG32BLD-CCP
EU3292	Mixing (Wet Rotoclone3292)	01-01-1993/NA	FG32BLD-CCP
EU3293	Preheating (uncontrolled)	01-01-1993/NA	FG32BLD-CCP
EU3295A	Blending (Cartridge Filter3295A); internal discharge	01-01-1995/ 08-20-2013/NA	FG32BLD-CCP
EU3296A	Reimelt bin (Baghouse3296A); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3296B	Reimelt bin (Cartridge Filter3296B); internal discharge	01-01-1993/ 11-09-2005	FG32BLD-CCP
EU3296C	Reimelt bin (Baghouse3296C); internal discharge	01-01-1993/NA	FG32BLD-CCP

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EU3296D	Reimelt bin (Baghouse3296D); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3296E	Reimelt bin (Baghouse3296E); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3296F	Reimelt bin (Baghouse3296F); internal discharge	01-01-1993/NA	FG32BLD-CCP
EU3297	Cooling (uncontrolled)	01-01-1993/NA	FG32BLD-CCP
EU32100	Bin (Baghouse32100)	10-01-1997/NA	FG-17-20-32Cereal
EU32101	Conveying and extruding (Wet Rotoclone32101)	10-01-1997/NA	FG-17-20-32Cereal
EU32102	Drying (uncontrolled)	10-01-1997/NA	FG-17-20-32Cereal
EU32104	Coating operation (Wet Rotoclone32104)	10-01-1997/ 05-16-2013	FG-32104_Coating
EU32105	Ingredient bin, ingredient feeding, and mixing (Baghouse32105)	10-01-1997/NA	FG-17-20-32Cereal
EU32107	Drying (uncontrolled)	10-01-1997/ 05-16-2013	FG-32104_Coating
EU32108	Drying (uncontrolled)	10-01-1997/ 05-16-2013	FG-32104_Coating
EU32109	Accumaveying, weighing, and conveying (Baghouse32109) - CAM subject	10-01-1997/NA	FG-17-20-32Cereal, FGCAM_UNITS
EU32113	Blending, Cooling, and Weighing, (Cyclone32113 and Wet Scrubber32113) - CAM subject	10-01-1997/ 04-14-2008	FG-3210_Coating, FGCAM_UNITS
EU32114	Airveying and receiving (Baghouse32114)	10-01-1997/NA	FG-17-20-32Cereal
EU32115	Conveying and extruding (Wet Rotoclone32115)	12-25-1998/ 02-28-1999	FG-17-20-32Cereal
EU32117	Weighing and oat shaking (Baghouse32117)	06-18-2000/NA	FG-17-20-32Cereal
EU32119	Airveying (Baghouse32119 and Cyclones32119)	01-01-2003/NA	FG-Milling
EU32120	Airveying and receiving (Baghouse32120)	07-07-2008/ 08-20-2013	FG-17-20-32Cereal
EU32122	Receiving Cyclone (Baghouse32122); internal discharge	07-07-2008/ 08-20-2013	FG-17-20-32Cereal
EU32123	Receiving Cyclone (Baghouse32123); internal discharge	07-07-2008/ 08-20-2013	FG-17-20-32Cereal
EU32124	Receiving Cyclone (Baghouse32124); internal discharge	07-07-2008/ 08-20-2013	FG-17-20-32Cereal
EU32125	Receiving Cyclone (Baghouse32125); internal discharge	07-07-2008/ 08-20-2013	FG-17-20-32Cereal
EU5501	Salt pit (Wet Scrubber5501)	01-01-1998/NA	FG-Milling
EUBOILER-1	Natural gas and fuel oil fired boiler used to generate steam for processes and space heating. Designed capacity is 120,000 pounds of steam/ hour. Designed maximum rated heat input is 142.2 MMBTU/hour.	01-01-1947/ 01-01-1977	FGBOILERS
EUBOILER-3	Natural gas and fuel oil fired boiler used to generate steam for processes and space heating. Designed capacity is 50,000 pounds of steam/hour. Designed maximum rated heat input is 72.6 MMBTU/hour.	01-01-1953/ 01-01-1977	FGBOILERS

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUBOILER-4	Natural gas and fuel oil fired boiler used to generate steam for processes and space heating. Designed capacity is 100,000 pounds of steam/ hour. Designed maximum rated heat input is 138.0 MMBTU/hour.	01-01-1936/ 01-01-1977	FGBOILERS
EU-CODE_DATERS	Ink printers used to label packages.	01-01-1995/NA	FG-RULE287(2)(c)
EUCOLDCLEANERS	Any new cold cleaner (placed into operation after 07/01/79 that is exempt from NSR permitting by R 336.1281(2) (h) or R 336.1285(2)(r)(iv)	01-01-1990/ 02-20-2003	FGCOLDCLEANERS
EU_52_Fire	Emergency diesel fire pump, 0.0544 MW	09-01-1997/NA	FG-MACT4Z-EMERG
EUGasTank	1,000-gal gasoline AST	09-24-1990	NA
EU-PB_Coating	Conveying, tote dumping, packing and coating equipment controlled by baghouses and a cyclone. All emissions discharge internally.	01-01-2019	FGRULE290

**EU1725  
 EMISSION UNIT CONDITIONS**

**DESCRIPTION**

Coating, conveying, drying, weighing, packing, dumping, unloading, and bin(s) (Wet Scrubber1725)

Flexible Group ID: NA

**POLLUTION CONTROL EQUIPMENT**

Wet Scrubber 1725

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	1.6 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	EU1725	SC VI.3	R 336.1702(a)
2. PM	0.01 lb/ 1000 lb of exhaust gas <sup>2</sup>	Hourly	EU1725	SC VI.4	R 336.1205 R 336.1331(1)(c)
3. PM-10	0.78 pph <sup>2</sup>	Hourly	EU1725	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
4. Opacity	5 percent <sup>2</sup>	6-minute average	EU1725	SC VI.4	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate EU1725 for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate EU1725 unless the wet scrubber is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901)**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a), R 336.1901)**
3. The permittee shall keep the following information on a monthly basis for EU1725:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a), R 336.1901)**

4. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for EU1725. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

**See Appendix 8**

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-1725*	NA	67 <sup>2</sup>	R 336.1225, R 336.1901 R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #17 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**EUGasTank  
EMISSION UNIT CONDITIONS**

**DESCRIPTION**

One 1,000 gallon, aboveground fuel storage tank.

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not load or allow the loading of gasoline from a delivery vessel into EUGasTank unless the stationary vessel is controlled by a vapor balance system or an equivalent control system approved by the department. The vapor balance system shall capture displaced gasoline vapor and air by means of a vapor-tight collection line and shall be designed to return not less than 90%, by weight, of the displaced gasoline vapor from the stationary vessel to the delivery vessel. **(R 336.1703(2))**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. EUGasTank, shall be equipped, maintained, or controlled with both the following: **(R 336.1703(3))**
  - a. An interlocking system or procedure to ensure that the vapor-tight collection line is connected before any gasoline can be loaded.
  - b. A device to ensure that the vapor-tight collection line shall close upon disconnection so as to prevent release of gasoline vapor.

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year.  
**(R 336.1213(4)(c))**

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## D. FLEXIBLE GROUP SPECIAL CONDITIONS

Part D outlines the terms and conditions that apply to more than one emission unit. The permittee is subject to the special conditions for each flexible group in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no special conditions that apply to more than one emission unit, this section will be left blank.

### FLEXIBLE GROUP SUMMARY TABLE

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

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG-477_Coating	Automatic spray application of flavorants onto cereal within any of two separate rotating coating reels controlled by Wet Rotoclone477 followed by two common dryers. The two dryers are controlled by Aerodyne430 and Aerodyne433.	EU430, EU433, EU477
FG-488_Coating	Automatic spray application of flavorants onto cereal in a rotating coating reel controlled by Wet Scrubber488 and followed by a dryer. The cooling zone of the dryer is controlled by Horiz Dust Sep495.	EU488, EU494, EU495
FG-2028_Coating	Automatic spray application of flavorants onto cereal within any of six separate rotating coating reels followed by a common drying oven. Each coating reel is controlled by Wet Scrubber 2028.	EU2028, EU2033, EU2034
FG2983CoatOxdOn	Automatic spray application of flavorants onto cereal within a rotating coating reel with associated sugar flash tank followed by a drying oven. The coating reel is controlled by Wet Rotoclone2983 and then Catalytic Oxidizer29113. The drying oven is also controlled by Catalytic Oxidizer29113. The oxidizer is CAM subject.	EU2983, EU2985, EU29119
FG2983CoatOxdOff	Automatic spray application of flavorants onto cereal within a rotating coating reel with associated sugar flash tank followed by a drying oven. The coating reel is controlled by Wet Rotoclone2983. (The Catalytic Oxidizer29113 is off during operation.)	EU2983, EU2985, EU29119
FG-20108_Baking	Equipment used for handling, conveying, cleaning, mixing, baking, and drying cereal-based food products and ingredients in Building #20. (PTI No. 31-14A)	EU20108, EU20109, EU20110, EU20111, EU20112
FG-3210_Coating	Automatic application of flavorants onto cereal within three blenders/mixers followed by a drying oven. Each blender/mixer is controlled by Cyclone32113 and Wet Scrubber32113.	EU3210, EU32113
FG-32104_Coating	Automatic spray application of flavorants onto cereal within any of three separate rotating coating reels followed by a common drying oven. Each coating reel is controlled by Wet Rotoclone32104.	EU32104, EU32107, EU32108

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGBLD-4Rice/Bran	Equipment in Building 4 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging rice/bran-based food products and ingredients.	EU401, EU402, EU403, EU404, EU407, EU409, EU410, EU413, EU414, EU415, EU416, EU417, EU418, EU419, EU420, EU421, EU422, EU423, EU425, EU427, EU428, EU429, EU434, EU447, EU475, EU486, EU489, EU490, EU491, EU492, EU496, EU497
FG-17-20-32Cereal	Equipment in Buildings 17, 20, and 32 used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.	EU1701, EU1702, EU1703, EU1704, EU1707, EU1710, EU1719, EU1720, EU1723, EU1724, EU2001, EU2015, EU2016, EU2024, EU2025, EU2026, EU2027, EU2029, EU2031, EU2032, EU2035, EU2091, EU2092, EU2096, EU2097, EU20102, EU20103, EU20104, EU3217, EU3269, EU32100, EU32101, EU32102, EU32105, EU32109, EU32114, EU32115, EU32117, EU32120, EU32122, EU32123, EU32124, EU32125
FGBLD-29Cereal	Equipment in Building 29 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.	EU2902, EU2906, EU2909, EU2910, EU2914, EU2916, EU2917, EU2918, EU2919, EU2920, EU2921, EU2922, EU2923, EU2924, EU2925, EU2928, EU2929, EU2930, EU2931, EU2932, EU2934, EU2935, EU2940, EU2984, EU2986, EU2989, EU2990, EU29109, EU29110, EU29111, EU29112, EU29114, EU29115, EU29116, EU29117, EU29118, EU29120, EU29121, EU29122, EU29123, EU29124
FG32BLD-CCP	Equipment in Building 32 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging grain-based food products and ingredients.	EU3225, EU3225A, EU3228, EU3231, EU3288, EU3289A, EU3289B, EU3290, EU3291, EU3292, EU3293, EU3295A, EU3296A, EU3296B, EU3296C, EU3296D, EU3296E, EU3296F, EU3297

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGGrainReceiving	Equipment used for the handling, cleaning, sizing, blending, conveying and unloading of agricultural grains and ingredients.	EU1101, EU1105, EU1106, EU1107, EU2101
FG-Milling	Equipment used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.	EU435, EU436, EU437, EU438, EU901, EU903, EU905, EU907, EU908, EU2007, EU2008, EU2009, EU2010, EU2011, EU2014, EU2052, EU2053, EU2054, EU2055, EU2094, EU2095, EU20100, EU20101, EU20106, EU20107, EU32119, EU5501
FGBOILERS	Natural gas and fuel oil fired boilers used to generate steam for processes and space heating.	EUBOILER-1, EUBOILER-3, EUBOILER-4
FGCAM_UNITS	CAM subject particulate equipment at the Facility.	EU407, EU417, EU418, EU419, EU420, EU427, EU430, EU433, EU435, EU492, EU1101, EU1701, EU1702, EU1703, EU1723, EU2001, EU2011, EU2027, EU2032, EU2035, EU2091, EU2092, EU2101, EU2910, EU2914, EU2922, EU2928, EU29122, EU32109, EU32113,
FG-MACT4Z-EMERG	Existing emergency stationary RICE as identified within 40 CFR, Part 63, Subpart ZZZZ, 63.6590(a)(1), and exempt from the requirements of Rule 201 pursuant to Rules 282(b) or 285(g).	EU_52_Fire
FG-RULE287(2)(c)	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rule 278, Rule 278a and Rule 287(2)(c). Emission units installed/modified before December 20, 2016, may show compliance with Rule 287 in effect at the time of installation/modification	EU-CODE_DATERS
FGRULE290	Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rule 278, Rule 278a and Rule 290. Emission units installed/modified before December 20, 2016, may show compliance with Rule 290 in effect at the time of installation/modification.	EU20115, EU-PB_Coating
FGCOLDCLEANERS	Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278, Rule 278a and Rule 281(2)(h) or Rule 285(2)(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.	EUCOLDCLEANERS

**FG-477\_Coating  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic spray application of flavorants onto cereal within any of two separate rotating coating reels controlled by Wet Rotoclone477 followed by two common dryers. The two dryers are controlled by Aerodyne430 and Aerodyne433. (PTI No. 191-14)

**Emission Units:** EU430, EU433, EU477

**POLLUTION CONTROL EQUIPMENT**

Aerodyne430, Aerodyne433, Wet Rotoclone477

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	25.0	12-month rolling time period as determined at the end of each production month	FG-477_Coating	SC VI.2 SC VI.3	<b>R 336.1702(a)</b>
2. PM	0.01 lbs/ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU430, EU433, EU477	SC VI.4	<b>R 336.1205 R 336.1331(1)(c)</b>
3. PM-10	0.639 pph <sup>2</sup>	Hourly	EU430	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
4. PM-2.5	0.639 pph <sup>2</sup>	Hourly	EU430	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
5. PM-10	0.675 pph <sup>2</sup>	Hourly	EU433	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
6. PM-10	0.675 pph <sup>2</sup>	Hourly	EU433	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
7. PM-10	0.263 pph <sup>2</sup>	Hourly	EU477	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
8. PM-10	0.263 pph <sup>2</sup>	Hourly	EU477	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
9. Opacity	10 percent <sup>2</sup>	6-minute average	EU430, EU433, EU477 individually	SC VI.4	<b>R 336.1301(1)(c)</b>

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-477\_Coating for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-477\_Coating unless the wet rotoclone and Aerodyne collectors are installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**
3. The permittee shall keep the following information on a monthly basis for FG-477\_Coating:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**

4. The permittee shall monitor the particulate control equipment 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 SC VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-477\_Coating. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

#### **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-430* (CAM subject)	NA	68 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
2. SV-433* (CAM subject)	NA	69 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
3. SV-477*	22 <sup>2</sup>	67 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #4 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-488\_Coating  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic spray application of flavorants onto cereal in a rotating coating reel controlled by Wet Scrubber488 and followed by a dryer. The cooling zone of the dryer is controlled by Horiz Dust Sep495.

**Emission Units:** EU488 (Note: Includes former EU487), EU494, EU495

**POLLUTION CONTROL EQUIPMENT**

Wet Scrubber488, Horiz Dust Sep495

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. VOC	7.4 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-488_Coating	SC VI.2 SC VI.3	R 336.1205 R 336.1702(a)
2. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	hourly	EU488	SC V.1	R 336.1205 R 336.1331(1)(c)
2. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	hourly	EU494, EU495	SC V.1, SC VI.4	R 336.1205 R 336.1331(1)(c)
4. PM10	0.284 pph <sup>2</sup>	hourly	EU488	SC V.1	R 336.1205, 40 CFR 52.21 (c) and (d)
5. PM2.5	0.284 pph <sup>2</sup>	hourly	EU488	SC V.1	R 336.1205, 40 CFR 52.21 (c) and (d)
3. PM10	0.260 pph <sup>2</sup>	hourly	EU494	SC V.1, SC VI.4	R 336.1205, 40 CFR 52.21 (c) and (d)
4. PM2.5	0.260 pph <sup>2</sup>	hourly	EU494	SC V.1, SC VI.4	R 336.1205, 40 CFR 52.21 (c) and (d)
5. PM10	0.788 pph <sup>2</sup>	hourly	EU495	SC V.1, SC VI.4	R 336.1205, 40 CFR 52.21 (c) and (d)
6. PM2.5	0.788 pph <sup>2</sup>	hourly	EU495	SC V.1, SC VI.4	R 336.1205, 40 CFR 52.21 (c) and (d)
7. Opacity	10 percent <sup>2</sup>	6-minute average	All stacks individually in FG-488_Coating	SC VI.4	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-488\_Coating for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-488\_Coating unless the wet scrubber and horizontal dust separation unit are installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

1. Upon request from AQD District Supervisor, the permittee shall verify PM, PM10, and PM2.5 emission rates from any combination and/or each EU of FG-488\_Coating by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the Test Method Table below.

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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.<sup>2</sup> **(R 336.1205, R 336.1331, 40 CFR 52.21(c) & (d))**

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**
3. The permittee shall keep the following information on a monthly basis for FG-488\_Coating:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request.<sup>2</sup> **(R 336.1205, R 336.1702(a))**

4. The permittee shall monitor the particulate control equipment 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 SC VIII.1 through SC VIII.3. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-488\_Coating. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification of the modified wet scrubber (Wet Scrubber488) of FG-488\_Coating, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of the modified wet scrubber (Wet Scrubber488) of FG-488\_Coating. **(R 336.1201(7)(a))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-488	16 <sup>2</sup>	70 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
2. SV-494*	NA	25 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
3. SV-495*	NA	25 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #4 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-2028\_Coating  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic spray application of flavorants onto cereal within any of six separate rotating coating reels followed by a common drying oven. Each coating reel is controlled by Wet Scrubber2028.

**Emission Units:** EU2028, EU2033, EU2034

**POLLUTION CONTROL EQUIPMENT**

Wet Scrubber2028

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	25.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-2028_Coating	SC VI.2 SC VI.3	R 336.1205 R 336.1702(a)
2. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2033, EU2034	SC VI.4	R 336.1205 R336.1331(1)(c)
3. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2028	SC VI.4	R 336.1205 R336.1331(1)(c)
4. PM-10	0.293 pph <sup>2</sup>	Hourly	EU2028	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
5. PM-2.5	0.293 pph <sup>2</sup>	Hourly	EU2028	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
6. PM-10	0.162 pph <sup>2</sup>	Hourly	EU2033	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
7. PM-2.5	0.162 pph <sup>2</sup>	Hourly	EU2033	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
8. PM-10	0.274 pph <sup>2</sup>	Hourly	EU2034	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
9. PM-2.5	0.274 pph <sup>2</sup>	Hourly	EU2034	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
10. Opacity	10 percent <sup>2</sup>	6-minute average	EU2033, EU2034 - individually	SC VI.4	R 336.1301(1)(c)
11. Opacity	5 percent <sup>2</sup>	6-minute average	EU2028	SC VI.4	R 336.1301(1)(c)

## **II. MATERIAL LIMIT(S)**

NA

## **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-2028\_Coating for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

## **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-2028\_Coating unless the wet scrubber is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

## **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901)
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> (R 336.1225, R 336.1702(a), R 336.1901)
3. The permittee shall keep the following information on a monthly basis for FG-2028\_Coating:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1225, R 336.1702(a), R 336.1901)

4. The permittee shall monitor the particulate control equipment 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 SC VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1910)

- The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-2028\_Coating. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

- Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
- Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
- Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

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-2028	17.5 x 19.5 <sup>2</sup>	96 <sup>2</sup>	R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)
2. SV-2033	14 <sup>2</sup>	97.5 <sup>2</sup>	R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)
3. SV-2034	19 x 22.5 <sup>2</sup>	102.5 <sup>2</sup>	R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #20 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG2983CoatOxdOn  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic spray application of flavorants onto cereal within a rotating coating reel with associated sugar flash tank followed by a drying oven. The coating reel is controlled by Wet Rotoclone2983 and then Catalytic Oxidizer29113. The drying oven is also controlled by Catalytic Oxidizer29113. VOC emissions controlled by Catalytic Oxidizer 29113 are subject to CAM.

**Emission Units:** EU2983, EU2985, EU29119

**POLLUTION CONTROL EQUIPMENT**

Wet Rotoclone2983, Catalytic Oxidizer29113

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	25.6 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG2983CoatOxdOn	SC VI.2 SC VI.3 SC VI.6	<b>R 336.1702(a)</b>
2. PM-10	0.571 pph <sup>2</sup>	Hourly	FG2983CoatOxdOn measured from SV-29113	SC VI.5	<b>R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)</b>
3. Opacity	10 percent <sup>2</sup>	6-minute average	FG2983CoatOxdOn measured from SV-29113	SC VI.5	<b>R 336.1301(1)(c)</b>

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG2983CoatOxdOn for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (**R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)**)

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG2983CoatOxdOn unless the wet rotoclone is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (**R 336.1301, R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)**)
2. The permittee shall not operate FG2983CoatOxdOn unless the catalytic oxidizer is installed, maintained and operated in a satisfactory manner. Satisfactory operation of the catalytic oxidizer includes a minimum VOC control (combined capture and destruction) efficiency of 85.5 percent (by weight), a minimum catalyst bed inlet temperature of 550°F, and a maximum space velocity of 45,000 inverse hours.<sup>2</sup> (**R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910**)

## **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901)**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a), R 336.1901)**
3. The permittee shall keep the following information on a monthly basis for FG2983CoatOxdOn:
  - a. Date and time of each startup and shutdown of the catalytic oxidizer.
  - b. Date and time of start and stop for each production run of cereal.
  - c. Gallons or pounds (with water) of each flavorant material used.
  - d. VOC content (with water) of each flavorant material, as applied.
  - e. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month.
  - f. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month.

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a), R 336.1901)**

4. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG2983CoatOxdOn. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**
6. The permittee shall install, calibrate, maintain and operate in a satisfactory manner, a temperature monitoring device to continuously monitor and record the inlet and outlet temperatures of the catalytic oxidizer catalyst bed, during operation of the oxidizer portion of FG2983CoatOxdOn. Temperature data recording shall consist of measurements made at equally spaced intervals, not to exceed 15 minutes per interval.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 64.6(c)(1))**
7. The permittee shall immediately initiate the preventive maintenance plan if the temperature drops below 550 degrees Fahrenheit during operation. **(40 CFR 64.6(c)(2), 40 CFR 64.7(d))**
8. Upon detecting an excursion or exceedance, the permittee shall restore operation of Catalytic Oxidizer29113 to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. **(40 CFR 64.7(d))**

9. The permittee shall, at all times, maintain the temperature monitoring device, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment. **(40 CFR 64.7(b))**
10. The permittee shall keep a record of maintenance activities performed and corrective actions taken on the catalytic oxidizer and the temperature monitoring equipment. **(40 CFR 64.9(b))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Each semiannual report of monitoring deviations shall include summary information on the number, duration and cause of excursions and/or exceedances and the corrective actions taken. If there were no excursions and/or exceedances in the reporting period, then this report shall include a statement that there were no excursions and/or exceedances. **(40 CFR 64.9(a)(2)(i))**
5. Each semiannual report of monitoring deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

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-29113	18 <sup>2</sup>	80 <sup>2</sup>	<b>R 336.1225, R 336.1901, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d)</b>

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #29 is located at the southwest corner.

**IX. OTHER REQUIREMENT(S)**

1. The permittee shall notify the appropriate District Office of the AQD for the need to modify the CAM monitoring plan if the approved monitoring is found to be inadequate and shall submit a proposed modification to the plan if appropriate. **(40 CFR Part 64.7(e))**
2. The permittee shall comply with all requirements of 40 CFR Part 64. **(40 CFR Part 64)**

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).  
<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG2983CoatOxdOff  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic spray application of flavorants onto cereal within a rotating coating reel with associated sugar flash tank followed by a drying oven. The coating reel is controlled by Wet Rotoclone2983. (The Catalytic Oxidizer29113 is off during operation.)

**Emission Units:** EU2983, EU2985, EU29119

**POLLUTION CONTROL EQUIPMENT**

Wet Rotoclone2983

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOCs	4.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG2983CoatOxdOff	SC VI.2 SC VI.3	<b>R 336.1702(a)</b>
2. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2985, EU29119	SC VI.4	<b>R 336.1205 R 336.1331(1)(c)</b>
3. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2983	SC VI.4	<b>R 336.1205 R 336.1331(1)(c)</b>
4. PM-10	0.144 pph <sup>2</sup>	Hourly	EU2983	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
5. PM-2.5	0.144 pph <sup>2</sup>	Hourly	EU2983	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
6. PM-10	0.135 pph <sup>2</sup>	Hourly	EU2985, EU29119 individually	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
7. PM-2.5	0.135 pph <sup>2</sup>	Hourly	EU2985, EU29119 individually	SC VI.4	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
8. Opacity	10 percent <sup>2</sup>	6-minute average	EU2985, EU29119	SC VI.4	<b>R 336.1301(1)(c)</b>
9. Opacity	5 percent <sup>2</sup>	6-minute average	EU2983	SC VI.4	<b>R 336.1301(1)(c)</b>

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG2983CoatOxdOff for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG2983CoatOxdOff unless the wet rotoclone is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**
3. The permittee shall keep the following information on a monthly basis for FG2983CoatOxdOff:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**

4. The permittee shall monitor the particulate control equipment 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 VIII below. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG2983CoatOxdOff. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

#### **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-2983	17 <sup>2</sup>	69 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
2. SV-2985	17 <sup>2</sup>	70 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
3. SV-29119	17 <sup>2</sup>	70 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #29 is located at the southwest corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).  
<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-20108\_Baking  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment used for handling, conveying, cleaning, mixing, baking, and drying cereal-based food products and ingredients in Building #20. (PTI No. 31-14A)

**Emission Units:** EU20108, EU20109, EU20110, EU20111, EU20112

**POLLUTION CONTROL EQUIPMENT**

Horiz Dust Sep20111, Baghouse20112

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOC	25.8 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-20108_Baking	SC VI.2	R 336.1702(a)
2. PM	0.02 lb / 1000 lb of exhaust gas <sup>2</sup>	Hourly	EU20108, EU20109, EU20110, EU20111	SC VI.3	R 336.1205 R 336.1331(1)(c)
3. PM	0.01 lb / 1000 lb of exhaust gas <sup>2</sup>	Hourly	EU20112	SC VI.3	R 336.1205 R 336.1331(1)(c)
4. PM10	0.214 pph <sup>2</sup>	Hourly	EU20108	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
5. PM2.5	0.214 pph <sup>2</sup>	Hourly	EU20108	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
6. PM10	0.538 pph <sup>2</sup>	Hourly	EU20109	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
7. PM2.5	0.538 pph <sup>2</sup>	Hourly	EU20109	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
8. PM10	0.147 pph <sup>2</sup>	Hourly	EU20110	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
9. PM2.5	0.147 pph <sup>2</sup>	Hourly	EU20110	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
10. PM10	1.04 pph <sup>2</sup>	Hourly	EU20111	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
11. PM2.5	1.04 pph <sup>2</sup>	Hourly	EU20111	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
12. PM10	0.081 pph <sup>2</sup>	Hourly	EU20112	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
13. PM2.5	0.081 pph <sup>2</sup>	Hourly	EU20112	SC VI.3	R 336.1205 40 CFR 52.21(c) and (d)
14. Opacity	10 percent <sup>2</sup>	6-minute average	All stacks individually in FG-20108_Baking	SC VI.3	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Base Grape Nuts	18,500 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-20108_Baking	SC VI.2	R 336.1205(1)(a) R 336.1225(1) R 336.1702(a)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-20108\_Baking for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, 40 CFR 52.21(c) and d))
2. The permittee shall not operate FG-20108\_Baking unless a malfunction abatement plan (MAP) as described in Rule 911(2), has been submitted within 180 days of permit issuance, and is implemented and maintained. 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 the MAP and 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 MAP or 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.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1910, R 336.1911, 40 CFR 52.21(c) and (d))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-20108\_Baking unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (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 336.1213(3)(b)(ii))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1301, R 336.1225, R 336.1702(a))
2. The permittee shall keep, in a satisfactory manner, the following information on a monthly basis for FG-20108\_Baking:
  - a. The amount in tons of base Grape Nuts produced per production month.
  - b. The amount in tons of base Grape Nuts produced per 12-month rolling time period as determined at the end of each production month.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month. (A VOC emission factor of 2.79 lb/ton of finished base product may be assumed or the most currently tested emission factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A VOC emission factor of 2.79 lb/ton of finished base product may be assumed or the most currently tested emission factor acceptable to the AQD District Supervisor.)

The permittee shall keep all records on file at the facility and make them available to the Department upon request.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a))

3. The permittee shall monitor the particulate control equipment 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.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1910)
4. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-20108\_Baking. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1205, 40 CFR 52.21(c) and (d))

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-20108	23 <sup>2</sup>	79 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
2. SV-20109	38 <sup>2</sup>	91 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-20110	18 <sup>2</sup>	82 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
4. SV-20111*	NA	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #20 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).  
<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-3210\_Coating  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic application of flavorants onto cereal within three blenders/mixers followed by a drying oven. Each blender/mixer is controlled by Cyclone32113 and Wet Scrubber32113.

**Emission Units:** EU3210, EU32113

**POLLUTION CONTROL EQUIPMENT**

Cyclone32113 and Wet Scrubber32113

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOCs	6.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-3210_Coating	SC VI.2 SC VI.3	<b>R 336.1702(a)</b>
2. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU3210	SC VI.4	<b>R 336.1205 R 336.1331(1)(c)</b>
3. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU32113	SC VI.4	<b>R 336.1205 R 336.1331(1)(c)</b>
4. PM-10	0.215 pph <sup>2</sup>	Hourly	EU3210	SC VI.4	<b>R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)</b>
5. PM-10	0.495 pph <sup>2</sup>	Hourly	EU32113	SC VI.4	<b>R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)</b>
7. Opacity	10 percent <sup>2</sup>	6-minute average	EU3210	SC VI.4	<b>R 336.1301(1)(c)</b>
8. Opacity	5 percent <sup>2</sup>	6-minute average	EU32113	SC VI.4	<b>R 336.1301(1)(c)</b>

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

- The permittee shall not operate FG-3210\_Coating for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-3210\_Coating unless the cyclone and wet scrubber are installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

NA

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901)
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> (R 336.1225, R 336.1702(a), R 336.1901)
3. The permittee shall keep the following information on a monthly basis for FG-3210\_Coating:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1225, R 336.1702(a), R 336.1901)

4. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1910)
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-3210\_Coating. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

#### **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

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-3210	25 <sup>2</sup>	130 <sup>2</sup>	R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)
2. SV-32113 (CAM subject)	24 <sup>2</sup>	103 <sup>2</sup>	R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #32 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-32104\_Coating  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Automatic application of flavorants onto cereal within any of three separate rotating coating reels followed by a common drying oven. Each coating reel is controlled by Wet Rotoclone32104.

**Emission Units:** EU32104, EU32107, EU32108

**POLLUTION CONTROL EQUIPMENT**

Wet Rotoclone32104

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. VOCs	18.0 tpy <sup>2</sup>	12-month rolling time period as determined at the end of each production month	FG-32104_Coating	SC VI.2 SC VI.3	R 336.1702(a)
2. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU32107, EU32108	SC VI.4	R 336.1205 R 336.1331(1)(c)
3. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU32104	SC V.1 SC VI.4	R 336.1205 R 336.1331(1)(c)
4. PM-10	0.338 pph <sup>2</sup>	Hourly	EU32104	SC V.1 SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
5. PM-2.5	0.338 pph <sup>2</sup>	Hourly	EU32104	SC V.1 SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
6. PM-10	0.329 pph <sup>2</sup>	Hourly	EU32107	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
7. PM-2.5	0.329 pph <sup>2</sup>	Hourly	EU32107	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
8. PM-10	0.606 pph <sup>2</sup>	Hourly	EU32108	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)
9. PM-2.5	0.606 pph <sup>2</sup>	Hourly	EU32108	SC VI.4	R 336.1205 R 336.2803 R 336.2804 40 CFR 52.21(c) and (d)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
10. Opacity	10 percent <sup>2</sup>	6-minute average	EU32107, EU32108 - individually	SC VI.4	R 336.1301(1)(c)
11. Opacity	5 percent <sup>2</sup>	6-minute average	EU32104	SC VI.4	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-32104\_Coating for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-32104\_Coating unless the Wet Rotoclone is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1901, R 336.1910, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. During the term of this permit, the permittee shall verify the PM, PM-10 and PM-2.5 emissions from EU32104 by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10/PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. (R 336.1213(3))

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a))
2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each flavorant material, including the weight percent of each component. The data may consist of Material Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The records shall be maintained on file and made available to the Department upon request.<sup>2</sup> (R 336.1225, R 336.1702(a))

3. The permittee shall keep the following information on a monthly basis for FG-32104\_Coating:
  - a. Gallons or pounds (with water) of each flavorant material used.
  - b. VOC content (with water) of each flavorant material, as applied.
  - c. VOC mass emission calculations determining the monthly emission rate in tons per production month as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)
  - d. VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period as determined at the end of each production month. (A retention factor of 60 percent for specific VOCs may be assumed or the most currently tested retention factor acceptable to the AQD District Supervisor.)

The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1225, R 336.1702(a))**

4. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
5. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-32104\_Coating. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, R 336.2803, R 336.2804, 40 CFR 52.21(c) and (d))**

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

**See Appendix 8**

**VIII. STACK/VENT RESTRICTION(S)**

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

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-32104	18 <sup>2</sup>	130 <sup>2</sup>	<b>R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)</b>
2. SV-32107	25 <sup>2</sup>	130 <sup>2</sup>	<b>R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)</b>
3. SV-32108	33 <sup>2</sup>	130 <sup>2</sup>	<b>R 336.1225, R 336.1901, R 336.2803 R 336.2804, 40 CFR 52.21(c) and (d)</b>

Note: The “Minimum Height Above Ground” is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #32 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGBLD-4Rice/Bran  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment in Building 4 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging rice/bran-based food products and ingredients.

**Emission Units:** EU401, EU402, EU403, EU404, EU407, EU409, EU410, EU413, EU414, EU415, EU416, EU417, EU418, EU419, EU420, EU421, EU422, EU423, EU425, EU427, EU428, EU429, EU434, EU447, EU475, EU486, EU489, EU490, EU491, EU492, EU496, EU497

**POLLUTION CONTROL EQUIPMENT**

Baghouse407, Baghouse409, Baghouse410, Baghouse417, Baghouse418, Baghouse419, Baghouse420, Baghouse421, Baghouse422, Baghouse423, Aerodyne427, Dual Cyclone428, Internal Dust Sep429, Baghouse434, Panel Filter447, Baghouse475, Baghouse486, Internal Dust Sep489, Baghouse490, Baghouse491, Baghouse492, Baghouse496, Baghouse497

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU401, EU402, EU403, EU404, EU413, EU414, EU415, EU416, EU425, EU428, EU429, EU489	SC V.1, SC VI.2	<b>R 336.1205</b> <b>R 336.1331(1)(c)</b>
2. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU407, EU409, EU410, EU417, EU418, EU419, EU420, EU421, EU422, EU423, EU427, EU434, EU447, EU475, EU486, EU490, EU491, EU492, EU496, EU497	SC V.1, SC VI.2	<b>R 336.1205</b> <b>R 336.1331(1)(c)</b>
3. PM10	0.078 pph <sup>2</sup>	Hourly	EU401, EU402, EU403, EU404 individually	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>
4. PM2.5	0.078 pph <sup>2</sup>	Hourly	EU401, EU402, EU403, EU404 individually	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>
5. PM10	1.084 pph <sup>2</sup>	Hourly	EU407	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>
6. PM2.5	1.084 pph <sup>2</sup>	Hourly	EU407	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>
7. PM10	0.023 pph <sup>2</sup>	Hourly	EU409	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>
8. PM2.5	0.023 pph <sup>2</sup>	Hourly	EU409	SC V.1, SC VI.2	<b>R 336.1205</b> <b>40 CFR 52.21(c) and (d)</b>

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
9. PM10	0.025 pph <sup>2</sup>	Hourly	EU410	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM2.5	0.025 pph <sup>2</sup>	Hourly	EU410	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
11. PM10	0.105 pph <sup>2</sup>	Hourly	EU413, EU414, EU415, EU416 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
12. PM2.5	0.105 pph <sup>2</sup>	Hourly	EU413, EU414, EU415, EU416 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
13. PM10	0.311 pph <sup>2</sup>	Hourly	EU417	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
14. PM2.5	0.311 pph <sup>2</sup>	Hourly	EU417	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
15. PM10	0.302 pph <sup>2</sup>	Hourly	EU418	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
16. PM2.5	0.302 pph <sup>2</sup>	Hourly	EU418	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
17. PM10	0.698 pph <sup>2</sup>	Hourly	EU419	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
18. PM2.5	0.698 pph <sup>2</sup>	Hourly	EU419	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
19. PM10	0.30 pph <sup>2</sup>	Hourly	EU420	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
20. PM2.5	0.30 pph <sup>2</sup>	Hourly	EU420	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
21. PM10	0.135 pph <sup>2</sup>	Hourly	EU421	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
22. PM2.5	0.135 pph <sup>2</sup>	Hourly	EU421	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
23. PM10	0.054 pph <sup>2</sup>	Hourly	EU422	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
24. PM2.5	0.054 pph <sup>2</sup>	Hourly	EU422	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
25. PM10	0.031 pph <sup>2</sup>	Hourly	EU423	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
26. PM2.5	0.031 pph <sup>2</sup>	Hourly	EU423	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
27. PM10	0.672 pph <sup>2</sup>	Hourly	EU425	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
28. PM2.5	0.672 pph <sup>2</sup>	Hourly	EU425	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
29. PM10	1.707 pph <sup>2</sup>	Hourly	EU427	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
30. PM2.5	1.707 pph <sup>2</sup>	Hourly	EU427	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
31. PM10	1.232 pph <sup>2</sup>	Hourly	EU428	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
32. PM2.5	1.232 pph <sup>2</sup>	Hourly	EU428	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
33. PM10	0.288 pph <sup>2</sup>	Hourly	EU429	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
34. PM2.5	0.288 pph <sup>2</sup>	Hourly	EU429	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
35. PM10	0.068 pph <sup>2</sup>	Hourly	EU434	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
36. PM2.5	0.068 pph <sup>2</sup>	Hourly	EU434	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
37. PM10	0.95 pph <sup>2</sup>	Hourly	EU447	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
38. PM2.5	0.95 pph <sup>2</sup>	Hourly	EU447	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
39. PM10	0.203 pph <sup>2</sup>	Hourly	EU475	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
40. PM2.5	0.203 pph <sup>2</sup>	Hourly	EU475	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
41. PM10	0.259 pph <sup>2</sup>	Hourly	EU486	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
42. PM2.5	0.259 pph <sup>2</sup>	Hourly	EU486	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
43. PM10	0.274 pph <sup>2</sup>	Hourly	EU489	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
44. PM2.5	0.274 pph <sup>2</sup>	Hourly	EU489	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
45. PM10	0.090 pph	Hourly	EU490	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
46. PM2.5	0.090 pph	Hourly	EU490	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
47. PM10	0.018 pph	Hourly	EU491	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
48. PM2.5	0.018 pph	Hourly	EU491	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
49. PM10	0.126 pph	Hourly	EU492	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
50. PM2.5	0.126 pph	Hourly	EU492	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
51. PM10	0.017 pph	Hourly	EU496	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
52. PM2.5	0.017 pph	Hourly	EU496	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
53. PM10	0.013 pph	Hourly	EU497	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
54. PM2.5	0.013 pph	Hourly	EU497	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
55. Opacity	10 percent <sup>2</sup>	6-minute average	All stacks individually in FGBLD-4Rice/Bran	SC VI.2	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FGBLD-4Rice/Bran for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FGBLD-4Rice/Bran unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

1. Upon request from AQD District Supervisor, the permittee shall verify PM, PM10, and PM2.5 emission rates from any combination and/or each EU of FGBLD-4Rice/Bran by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the Test Method Table below.

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1205)**

<b>Pollutant</b>	<b>Test Method Reference</b>
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10 / PM2.5	40 CFR Part 51, Appendix M

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. Records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FGBLD-4Rice/Bran. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-401	10 <sup>2</sup>	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
2. SV-402	10 <sup>2</sup>	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-403	10 <sup>2</sup>	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
4. SV-404	10 <sup>2</sup>	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
5. SV-407 (CAM subject)	24 <sup>2</sup>	71 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
6. SV-409*	NA	25 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
7. SV-410*	NA	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
8. SV-413	18 <sup>2</sup>	67 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
9. SV-414	14 <sup>2</sup>	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
10. SV-415	14 <sup>2</sup>	67 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
11. SV-416	14 <sup>2</sup>	67 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
12. SV-417 (CAM subject)	20 <sup>2</sup>	81 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
13. SV-418 (CAM subject)	20 <sup>2</sup>	81 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
14. SV-419 (CAM subject)	21 <sup>2</sup>	85 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
15. SV-420 (CAM subject)	20 <sup>2</sup>	81 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
16. SV-421*	NA	66 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
17. SV-422*	NA	13 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
18. SV-423*	NA	23 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
19. SV-425	27 <sup>2</sup>	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
20. SV-427* (CAM subject)	NA	69 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
21. SV-428	25.5 <sup>2</sup>	83 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
22. SV-429	21 <sup>2</sup>	77 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
23. SV-434*	NA	4 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
24. SV-447*	NA	28 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
25. SV-475*	NA	92 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
26. SV-486	22 <sup>2</sup>	75 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
27. SV-489	21 <sup>2</sup>	77 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
28. SV-490	NA	39 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
29. SV-491	NA	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
30. SV-492* (CAM subject)	NA	51 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
31. SV-496*	NA	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
32. SV-497*	NA	68 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The “Minimum Height Above Ground” is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #4 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-17-20-32Cereal  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment in buildings 17, 20, and 32 used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.

**Emission Units:** EU1701, EU1702, EU1703, EU1704, EU1707, EU1710, EU1719, EU1720, EU1723, EU1724, EU2001, EU2015, EU2016, EU2024, EU2025, EU2026, EU2027, EU2029, EU2031, EU2032, EU2035, EU2091, EU2092, EU2096, EU2097, EU20102, EU20103, EU20104, EU3217, EU3269, EU32100, EU32101, EU32102, EU32105, EU32109, EU32114, EU32115, EU32117, EU32120, EU32122, EU32123, EU32124, EU32125

**POLLUTION CONTROL EQUIPMENT**

Aerodyne1701, Aerodyne1702, Aerodyne1703, Filter Box1704, Wet Rotoclone1707, Wet Rotoclone1710, Cyclone1720, Baghouse1723, Wet Scrubber1724 and Cyclone1724, Baghouse2001, Dual Cyclones2015, Dual Cyclones2016, Wet Scrubber2024, Dry Rotoclone2025, Dry Rotoclone2026, Baghouse2027, Baghouse2029, Baghouse2031, Baghouse2032, Baghouse2035, Wet Scrubber2091 and Aerodyne2091, Wet Scrubber2092 and Aerodyne2092, Wet Scrubber2096 and Cyclone2096, Baghouse20102, Wet Rotoclone20103, Wet Rotoclone20104, Baghouse3217, Filter Box3269, Baghouse32100, Wet Rotoclone32101, Baghouse32105, Baghouse32109, Baghouse32114, Wet Rotoclone32115, Baghouse32117, Baghouse32120, Baghouse32122, Baghouse32123, Baghouse32124, Baghouse32125

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU1719, EU1720, EU2015, EU2016, EU2025, EU2026, EU2097, EU32102	SC V.1, SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
2. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU1701, EU1702, EU1703, EU1704, EU1707, EU1710, EU1723, EU1724, EU2001, EU2024, EU2027, EU2029, EU2031, EU2032, EU2035, EU2091, EU2092, EU2096, EU20102, EU20103 EU20104, EU3217, EU3269, EU32100, EU32101, EU32105, EU32109, EU32114, EU32115, EU32117, EU32120, EU32122, EU32123, EU32124, EU32125	SC V.1, SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
3. PM-10	0.675 pph <sup>2</sup>	Hourly	EU1701, EU1702, EU1703 individually	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
4. PM-2.5	0.675 pph <sup>2</sup>	Hourly	EU1701, EU1702, EU1703 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
5. PM-10	0.009 pph <sup>2</sup>	Hourly	EU1704	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
6. PM-2.5	0.009 pph <sup>2</sup>	Hourly	EU1704	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
7. PM-10	0.12 pph <sup>2</sup>	Hourly	EU1707, EU1710 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
8. PM-2.5	0.12 pph <sup>2</sup>	Hourly	EU1707, EU1710 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
9. PM-10	0.038 pph <sup>2</sup>	Hourly	EU1719	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM-2.5	0.038 pph <sup>2</sup>	Hourly	EU1719	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
11. PM-10	0.255 pph <sup>2</sup>	Hourly	EU1720	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
12. PM-2.5	0.255 pph <sup>2</sup>	Hourly	EU1720	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
13. PM-10	0.225 pph <sup>2</sup>	Hourly	EU1723, EU3269 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
14. PM-2.5	0.225 pph <sup>2</sup>	Hourly	EU1723, EU3269 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
15. PM-10	0.270 pph <sup>2</sup>	Hourly	EU1724	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
16. PM-2.5	0.270 pph <sup>2</sup>	Hourly	EU1724	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
17. PM-10	0.216 pph <sup>2</sup>	Hourly	EU2001, EU2035 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
18. PM-2.5	0.216 pph <sup>2</sup>	Hourly	EU2001, EU2035 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
19. PM-10	1.009 pph <sup>2</sup>	Hourly	EU2015	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
20. PM-2.5	1.009 pph <sup>2</sup>	Hourly	EU2015	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
21. PM-10	0.649 pph <sup>2</sup>	Hourly	EU2016	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
22. PM-2.5	0.649 pph <sup>2</sup>	Hourly	EU2016	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
23. PM-10	0.162 pph <sup>2</sup>	Hourly	EU2024	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
24. PM-2.5	0.162 pph <sup>2</sup>	Hourly	EU2024	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
25. PM-10	0.233 pph <sup>2</sup>	Hourly	EU2025	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
26. PM-2.5	0.233 pph <sup>2</sup>	Hourly	EU2025	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
27. PM-10	0.135 pph <sup>2</sup>	Hourly	EU2026	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
28. PM-2.5	0.135 pph <sup>2</sup>	Hourly	EU2026	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
29. PM-10	0.158 pph <sup>2</sup>	Hourly	EU2027	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
30. PM-2.5	0.158 pph <sup>2</sup>	Hourly	EU2027	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
31. PM-10	0.090 pph <sup>2</sup>	Hourly	EU2029, EU2031 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
32. PM-2.5	0.090 pph <sup>2</sup>	Hourly	EU2029, EU2031 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
33. PM-10	0.293 pph <sup>2</sup>	Hourly	EU2032	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
34. PM-2.5	0.293 pph <sup>2</sup>	Hourly	EU2032	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
35. PM-10	0.810 pph <sup>2</sup>	Hourly	EU2091, EU2092 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
36. PM-2.5	0.810 pph <sup>2</sup>	Hourly	EU2091, EU2092 individually	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
37. PM-10	0.345 pph <sup>2</sup>	Hourly	EU2096	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
38. PM-2.5	0.345 pph <sup>2</sup>	Hourly	EU2096	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
39. PM-10	0.021 pph <sup>2</sup>	Hourly	EU2097	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
40. PM-2.5	0.021 pph <sup>2</sup>	Hourly	EU2097	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
41. PM-10	0.063 pph <sup>2</sup>	Hourly	EU20102	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
42. PM-2.5	0.063 pph <sup>2</sup>	Hourly	EU20102	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
43. PM-10	0.189 pph <sup>2</sup>	Hourly	EU20103	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
44. PM-2.5	0.189 pph <sup>2</sup>	Hourly	EU20103	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
45. PM-10	0.45 pph <sup>2</sup>	Hourly	EU20104	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
45. PM-2.5	0.45 pph <sup>2</sup>	Hourly	EU20104	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
46. PM-10	0.054 pph <sup>2</sup>	Hourly	EU3217	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
47. PM-2.5	0.054 pph <sup>2</sup>	Hourly	EU3217	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
48. PM-10	0.029 pph <sup>2</sup>	Hourly	EU32100	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
49. PM-2.5	0.029 pph <sup>2</sup>	Hourly	EU32100	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
50. PM-10	0.126 pph <sup>2</sup>	Hourly	EU32101	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
51. PM-2.5	0.126 pph <sup>2</sup>	Hourly	EU32101	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
52. PM-10	0.410 pph <sup>2</sup>	Hourly	EU32102	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
53. PM-2.5	0.410 pph <sup>2</sup>	Hourly	EU32102	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
54. PM-10	0.056 pph <sup>2</sup>	Hourly	EU32105	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
55. PM-2.5	0.056 pph <sup>2</sup>	Hourly	EU32105	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
56. PM-10	0.135 pph <sup>2</sup>	Hourly	EU32109	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
57. PM-2.5	0.135 pph <sup>2</sup>	Hourly	EU32109	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
58. PM-10	0.045 pph <sup>2</sup>	Hourly	EU32114, EU32120 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
59. PM-2.5	0.045 pph <sup>2</sup>	Hourly	EU32114, EU32120 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
60. PM-10	0.171 pph <sup>2</sup>	Hourly	EU32115	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
61. PM-2.5	0.171 pph <sup>2</sup>	Hourly	EU32115	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
62. PM-10	0.062 pph <sup>2</sup>	Hourly	EU32117	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
63. PM-2.5	0.062 pph <sup>2</sup>	Hourly	EU32117	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
64. PM-10	0.036 pph <sup>2</sup>	Hourly	EU32122	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
65. PM-2.5	0.036 pph <sup>2</sup>	Hourly	EU32122	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
66. PM-10	0.027 pph <sup>2</sup>	Hourly	EU32123, U32124, EU32125 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
67. PM-2.5	0.027 pph <sup>2</sup>	Hourly	EU32123, EU32124, EU32125 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
68. Opacity	10 percent <sup>2</sup>	6-minute average	EU1719, EU1720, EU2015, EU2016, EU2025, EU2026, EU2097, EU32102 individually	SC VI.2	R 336.1301(1)(c)
69. Opacity	5 percent <sup>2</sup>	6-minute average	EU1701, EU1702, EU1703, EU1704, EU1707, EU1710, EU1723, EU1724, EU2001, EU2024, EU2027, EU2029, EU2031, EU2032, EU2035, EU2091, EU2092, EU2096, EU20103, EU20104, EU3217, EU3269, EU32100, EU32101, EU32105, EU32109, EU32114, EU32115, EU32117, EU32120 individually	SC VI.2	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-17-20-32Cereal for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-17-20-32Cereal unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

1. During the term of this permit, the permittee shall verify the PM, PM-10 and PM-2.5 emissions from EU2035, EU2092, EU32101, EU32102, and EU32109 by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10/PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1213(3), R 336.2001, R 336.2003, R 336.2004)**

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. **(R 336.1213(3))**

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-17-20-32Cereal. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-1701* (CAM subject)	NA	84 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
2. SV-1702* (CAM subject)	NA	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-1703* (CAM subject)	NA	84 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
4. SV-1704*	NA	39.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
5. SV-1707	12 <sup>2</sup>	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
6. SV-1710	12 <sup>2</sup>	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
7. SV-1719*	NA	60 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
8. SV-1720*	NA	39 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
9. SV-1723 (CAM subject)	26 <sup>2</sup>	82 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
10. SV-1724*	NA	53 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
11. SV-2001* (CAM subject)	NA	5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
12. SV-2015*	NA	85 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
13. SV-2016	23 <sup>2</sup>	94 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
14. SV-2024	17.5 x 19.5 <sup>2</sup>	96 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
15. SV-2025*	NA	90 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
16. SV-2026*	NA	90 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
17. SV-2027* (CAM subject)	NA	91 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
18. SV-2029	11 <sup>2</sup>	93 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
19. SV-2031*	NA	92 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
20. SV-2032* (CAM subject)	NA	92 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
21. SV-2035* (CAM subject)	NA	5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
22. SV-2091 (CAM subject)	28 <sup>2</sup>	97 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
23. SV-2092 (CAM subject)	28 <sup>2</sup>	98 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
24. SV-2096	17.5 x 19.5 <sup>2</sup>	96 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
25. SV-2097*	NA	99 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
26. SV-20103	NA	50 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
27. SV-20104	NA	50 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
28. SV-3217	8 <sup>2</sup>	92 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
29. SV-3269*	NA	80 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
30. SV-32100*	NA	104 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
31. SV-32101	13 <sup>2</sup>	97 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
32. SV-32102	18 <sup>2</sup>	99 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
33. SV-32105	9 <sup>2</sup>	97 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
34. SV-32109 (CAM subject)	21 <sup>2</sup>	96.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
35. SV-32114*	NA	90.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
36. SV-32115	13 <sup>2</sup>	94 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
37. SV-32117	12 <sup>2</sup>	93 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
38. SV-32120*	NA	110 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevations for Buildings #17, #20 & #32 are located at the southeast corner of each building.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGBLD-29Cereal  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment in Building 29 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.

**Emission Units:** EU2902, EU2906, EU2909, EU2910, EU2914, EU2916, EU2917, EU2918, EU2919, EU2920, EU2921, EU2922, EU2923, EU2924, EU2925, EU2928, EU2929, EU2930, EU2931, EU2932, EU2934, EU2935, EU2940, EU2984, EU2986, EU2989, EU2990, EU29109, EU29110, EU29111, EU29112, EU29114, EU29115, EU29116, EU29117, EU29118, EU29120, EU29121, EU29122, EU29123, EU29124

**POLLUTION CONTROL EQUIPMENT**

Cyclone2902, Baghouse2906, Baghouse2910, Aerodyne2914, Dual Cyclones2919, Dual Cyclones2920, Wet Rotoclone2921, Aerodyne2922, Baghouse2924, Baghouse2925, Baghouse2928, Dual Cyclones2929, Dual Cyclones2930, Dual Cyclones2931, Dual Cyclones2932, Horiz Dust Sep2934, Wet Scrubber2934, Baghouse2935, Horiz Dust Sep2940, Wet Scrubber2984, Wet Scrubber2986, Baghouse2989, Baghouse2990, Internal Dust Sep29109, Baghouse29110 and Canister Filter29110, Canister Filter29111, Canister Filter29112, Canister Filter29114, Canister Filter29115, Cyclone29116, Internal Dust Sep29117, Internal Dust Sep29118, Cyclone29120, Internal Dust Sep29121, Horiz Dust Sep29122, Wet Scrubber29122, Internal Dust Sep29123

**I. EMISSION LIMIT(S)**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.02 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2902, EU2909, EU2916, EU2917, EU2918, EU2919, EU2920, EU2923, EU2929, EU2930, EU2931, EU2932, EU29109, EU29116, EU29117, EU29118, EU29120, EU29121, EU29123, EU29124	SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
2. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2906, EU2910, EU2914, EU2921, EU2922, EU2924, EU2925, EU2928, EU2934, EU2935, EU2940, EU2984, EU2986, EU29110, EU29111, EU29112, EU29114, EU29115, EU29122	SC V.1, SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
3. PM	0.005 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU2989, EU2990	SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
4. PM-10	1.469 pph <sup>2</sup>	Hourly	EU2902	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
5. PM-2.5	1.469 pph <sup>2</sup>	Hourly	EU2902	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
6. PM-10	0.030 pph <sup>2</sup>	Hourly	EU2906	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
7. PM-2.5	0.030 pph <sup>2</sup>	Hourly	EU2906	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
8. PM-10	0.176 pph <sup>2</sup>	Hourly	EU2909	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
9. PM-2.5	0.176 pph <sup>2</sup>	Hourly	EU2909	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM-10	0.286 pph <sup>2</sup>	Hourly	EU2910	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
11. PM-2.5	0.286 pph <sup>2</sup>	Hourly	EU2910	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
12. PM-10	0.660 pph <sup>2</sup>	Hourly	EU2914	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
13. PM-2.5	0.660 pph <sup>2</sup>	Hourly	EU2914	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
14. PM-10	0.069 pph <sup>2</sup>	Hourly	EU2916, EU2917 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
15. PM-2.5	0.069 pph <sup>2</sup>	Hourly	EU2916, EU2917 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
16. PM-10	0.063 pph <sup>2</sup>	Hourly	EU2918	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
17. PM-2.5	0.063 pph <sup>2</sup>	Hourly	EU2918	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
18. PM-10	0.127 pph <sup>2</sup>	Hourly	EU2919	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
19. PM-2.5	0.127 pph <sup>2</sup>	Hourly	EU2919	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
20. PM-10	0.175 pph <sup>2</sup>	Hourly	EU2920	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
21. PM-2.5	0.175 pph <sup>2</sup>	Hourly	EU2920	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
22. PM-10	0.139 pph <sup>2</sup>	Hourly	EU2921	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
23. PM-2.5	0.139 pph <sup>2</sup>	Hourly	EU2921	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
24. PM-10	0.430 pph <sup>2</sup>	Hourly	EU2922	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
25. PM-2.5	0.430 pph <sup>2</sup>	Hourly	EU2922	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
26. PM-10	1.178 pph <sup>2</sup>	Hourly	EU2923	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
27. PM-2.5	1.178 pph <sup>2</sup>	Hourly	EU2923	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
28. PM-10	0.045 pph <sup>2</sup>	Hourly	EU2924	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
29. PM-2.5	0.045 pph <sup>2</sup>	Hourly	EU2924	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
30. PM-10	0.036 pph <sup>2</sup>	Hourly	EU2925	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
31. PM-2.5	0.036 pph <sup>2</sup>	Hourly	EU2925	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
32. PM-10	0.225 pph <sup>2</sup>	Hourly	EU2928	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
33. PM-2.5	0.225 pph <sup>2</sup>	Hourly	EU2928	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
34. PM-10	0.650 pph <sup>2</sup>	Hourly	EU2929	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
35. PM-2.5	0.650 pph <sup>2</sup>	Hourly	EU2929	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
36. PM-10	0.892 pph <sup>2</sup>	Hourly	EU2930	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
37. PM-2.5	0.892 pph <sup>2</sup>	Hourly	EU2930	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
38. PM-10	0.204 pph <sup>2</sup>	Hourly	EU2931	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
39. PM-2.5	0.204 pph <sup>2</sup>	Hourly	EU2931	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
40. PM-10	0.260 pph <sup>2</sup>	Hourly	EU2932	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
41. PM-2.5	0.260 pph <sup>2</sup>	Hourly	EU2932	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
42. PM-10	0.185 pph <sup>2</sup>	Hourly	EU2934	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
43. PM-2.5	0.185 pph <sup>2</sup>	Hourly	EU2934	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
44. PM-10	0.054 pph <sup>2</sup>	Hourly	EU2935	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
45. PM-2.5	0.054 pph <sup>2</sup>	Hourly	EU2935	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
46. PM-10	0.35 pph <sup>2</sup>	Hourly	EU2940	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
47. PM-2.5	0.35 pph <sup>2</sup>	Hourly	EU2940	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
48. PM-10	0.211 pph <sup>2</sup>	Hourly	EU2984	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
49. PM-2.5	0.211 pph <sup>2</sup>	Hourly	EU2984	SC V.1, SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
50. PM-10	0.36 pph <sup>2</sup>	Hourly	EU2986	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
51. PM-2.5	0.36 pph <sup>2</sup>	Hourly	EU2986	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
52. PM-10	0.383 pph <sup>2</sup>	Hourly	EU2989, EU2990 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
53. PM-2.5	0.383 pph <sup>2</sup>	Hourly	EU2989, EU2990 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
54. PM-10	0.254 pph <sup>2</sup>	Hourly	EU29109	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
55. PM-2.5	0.254 pph <sup>2</sup>	Hourly	EU29109	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
56. PM-10	0.018 pph <sup>2</sup>	Hourly	EU29110	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
57. PM-2.5	0.018 pph <sup>2</sup>	Hourly	EU29110	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
58. PM-10	0.045 pph <sup>2</sup>	Hourly	EU29111, EU29112 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
59. PM-2.5	0.045 pph <sup>2</sup>	Hourly	EU29111, EU29112 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
60. PM-10	0.036 pph <sup>2</sup>	Hourly	EU29114	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
61. PM-2.5	0.036 pph <sup>2</sup>	Hourly	EU29114	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
62. PM-10	0.033 pph <sup>2</sup>	Hourly	EU29115	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
63. PM-2.5	0.033 pph <sup>2</sup>	Hourly	EU29115	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
64. PM-10	0.089 pph <sup>2</sup>	Hourly	EU29116	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
65. PM-2.5	0.089 pph <sup>2</sup>	Hourly	EU29116	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
66. PM-10	0.243 pph <sup>2</sup>	Hourly	EU29117, EU29118 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
67. PM-2.5	0.243 pph <sup>2</sup>	Hourly	EU29117, EU29118 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
68. PM-10	0.076 pph	Hourly	EU29120	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
69. PM-2.5	0.076 pph <sup>2</sup>	Hourly	EU29120	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
70. PM-10	0.459 pph <sup>2</sup>	Hourly	EU29121	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
71. PM-2.5	0.459pph <sup>2</sup>	Hourly	EU29121	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
72. PM-10	0.378 pph <sup>2</sup>	Hourly	EU29122	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
73. PM-2.5	0.378 pph <sup>2</sup>	Hourly	EU29122	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
74. PM-10	0.180 pph <sup>2</sup>	Hourly	EU29123	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
75. PM-2.5	0.180 pph <sup>2</sup>	Hourly	EU29123	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
76. PM-10	0.265 pph <sup>2</sup>	Hourly	EU29124	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
77. PM-2.5	0.265 pph <sup>2</sup>	Hourly	EU29124	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
78. Opacity	10 percent <sup>2</sup>	6-minute average	All stacks individually in FGBLD-29Cereal	SC VI.2	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

I

**II. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FGBLD-29Cereal for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, 40 CFR 52.21(c) and (d))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FGBLD-29Cereal unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (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 336.1213(3)(b)(ii))

1. During the term of this permit, the permittee shall verify the PM, PM-10 and PM-2.5 emissions from EU2928 and EU2984 by testing at the owner's expense, in accordance with the Department requirements. Testing shall be performed using an approved EPA Method listed in:

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10/PM2.5	40 CFR Part 51, Appendix M

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 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, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit 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 336.1213(3), R 336.2001, R 336.2003, R 336.2004)

2. The permittee shall notify the AQD Technical Programs Unit Supervisor and the District Supervisor not less than 30 days of the time and place before performance tests are conducted. (R 336.1213(3))

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a))
2. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1301, R 336.1331, R 336.1910)
3. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FGBLD-29Cereal. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> (R 336.1205, 40 CFR 52.21(c) and (d))

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-2902	48 <sup>2</sup>	84 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-2906*	NA	53 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
4. SV-2909*	NA	26 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
5. SV-2910* (CAM subject)	NA	56 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
6. SV-2914* (CAM subject)	NA	73 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
7. SV-2916	12 <sup>2</sup>	65 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
8. SV-2917	12 <sup>2</sup>	65 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
9. SV-2918	13 <sup>2</sup>	67 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
10. SV-2919	21 <sup>2</sup>	99 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
11. SV-2920	18 <sup>2</sup>	98 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
12. SV-2921*	NA	57.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
13. SV-2922* (CAM subject)	NA	70.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
14. SV-2923*	NA	71 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
15. SV-2924*	NA	64 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
16. SV-2925*	NA	75 <sup>2</sup>	R 336.1205, 40 CFR 52.21(c) and (d)
16. SV-2928* (CAM subject)	NA	55 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
17. SV-2929	29 <sup>2</sup>	103 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
18. SV-2930	29 <sup>2</sup>	103 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
19. SV-2931	18 <sup>2</sup>	98 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
20. SV-2932	21 <sup>2</sup>	98 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
21. SV-2934*	NA	27 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
22. SV-2935*	NA	65 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
23. SV-2940*	NA	41 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
24. SV-2984*	NA	27 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
25. SV-2986*	NA	54 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
26. SV-29109	12 <sup>2</sup>	78 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
27. SV-29110*	NA	41 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
28. SV-29111*	NA	40 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
29. SV-29112*	NA	40 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
30. SV-29114*	NA	40 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
31. SV-29115*	NA	70 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
32. SV-29116	10 <sup>2</sup>	69 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
33. SV-29117	11 <sup>2</sup>	69 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
34. SV-29118	11 <sup>2</sup>	69 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
35. SV-29120	8 <sup>2</sup>	69 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
36. SV-29121	17 <sup>2</sup>	74 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
37. SV-29122* (CAM subject)	NA	42 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
38. SV-29123	13 <sup>2</sup>	74 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
39. SV-29124*	NA	41 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #29 is located at the southwest corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG32BLD-CCP  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment in Building 32 is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging grain-based food products and ingredients.

**Emission Units:** EU3225, EU3225A, EU3228, EU3231, EU3288, EU3289A, EU3289B, EU3290, EU3291, EU3292, EU3293, EU3295A, EU3296A, EU3296B, EU3296C, EU3296D, EU3296E, EU3296F, EU3297

**POLLUTION CONTROL EQUIPMENT**

Baghouse3228, Baghouse3231, Wet Rotoclone3288, Cyclones3289A, Cyclones3289B, Wet Scrubber3290 and Dual Cyclone3290, Wet Scrubber3291 and Dual Cyclone3291, Wet Rotoclone3292, Cartridge Filter3295A, Baghouse3296A, Cartridge Filter3296B, Baghouse3296C, Baghouse3296D, Baghouse3296E, Baghouse3296F

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU3225, EU3225A, EU3293, EU3297	SC VI.2	R 336.1205 R 336.1331(1)(c)
2. PM	0.007 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU3288, EU3292	SC VI.2	R 336.1205 R 336.1331(1)(c)
3. PM	0.006 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU3289A, EU3289B	SC VI.2	R 336.1205 R 336.1331(1)(c)
4. PM	0.005 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU3228, EU3231, EU3290, EU3291, EU3295A, EU3296A, EU3296B, EU3296C, EU3296D, EU3296E, EU3296F	SC VI.2	R 336.1205 R 336.1331(1)(c)
5. PM-10	0.211 pph <sup>2</sup>	Hourly	EU3225	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
6. PM-2.5	0.211 pph <sup>2</sup>	Hourly	EU3225	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
7. PM-10	0.104 pph <sup>2</sup>	Hourly	EU3225A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
8. PM-2.5	0.104 pph <sup>2</sup>	Hourly	EU3225A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
9. PM-10	0.014 pph <sup>2</sup>	Hourly	EU3228, EU3231 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM-2.5	0.014 pph <sup>2</sup>	Hourly	EU3228, EU3231 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
11. PM-10	0.039 pph <sup>2</sup>	Hourly	EU3288	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
12. PM-2.5	0.039 pph <sup>2</sup>	Hourly	EU3288	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Monitoring/ Testing Method</b>	<b>Underlying Applicable Requirements</b>
13. PM-10	0.100 pph <sup>2</sup>	Hourly	EU3289A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
14. PM-2.5	0.100 pph <sup>2</sup>	Hourly	EU2989A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
15. PM-10	0.064 pph <sup>2</sup>	Hourly	EU3289B	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
16. PM-2.5	0.064 pph <sup>2</sup>	Hourly	EU3289B	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
17. PM-10	0.272 pph <sup>2</sup>	Hourly	EU3290	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
18. PM-2.5	0.272 pph <sup>2</sup>	Hourly	EU3290	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
19. PM-10	0.287 pph <sup>2</sup>	Hourly	EU3291	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
20. PM-2.5	0.287 pph <sup>2</sup>	Hourly	EU3291	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
21. PM-10	0.038 pph <sup>2</sup>	Hourly	EU3292	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
22. PM-2.5	0.038 pph <sup>2</sup>	Hourly	EU3292	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
23. PM-10	0.011 pph <sup>2</sup>	Hourly	EU3293	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
24. PM-2.5	0.011 pph <sup>2</sup>	Hourly	EU3293	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
25. PM-10	0.0225 pph <sup>2</sup>	Hourly	EU3295A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
26. PM-2.5	0.0225 pph <sup>2</sup>	Hourly	EU3295A	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
27. PM-10	0.014 pph <sup>2</sup>	Hourly	EU3296A, EU3296C, EU3296D, EU3296E, EU3296F individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
28. PM-2.5	0.014 pph <sup>2</sup>	Hourly	EU3296A, EU3296C, EU3296D, EU3296E, EU3296F individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
29. PM-10	0.023 pph <sup>2</sup>	Hourly	EU3296B	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
30. PM-2.5	0.023 pph <sup>2</sup>	Hourly	EU3296B	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
31. PM-10	0.213 pph <sup>2</sup>	Hourly	EU3297	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
32. PM-2.5	0.213 pph <sup>2</sup>	Hourly	EU3297	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
33. Opacity	5 percent <sup>2</sup>	6-minute average	EU3225, EU3225A, EU3288, EU3289A, EU3289B, EU3290, EU3291, EU3292, EU3293, EU3297	SC VI.2	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG32BLD-CCP unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> **(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 336.1213(3)(b)(ii))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> **(R 336.1205, R 336.1225, R 336.1702(a))**
2. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-3225	32 <sup>2</sup>	98 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
2. SV-3225A	21 <sup>2</sup>	97 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-3288*	NA	35.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
4. SV-3289A*	NA	49.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
5. SV-3289B*	NA	50 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
6. SV-3290*	NA	75 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
7. SV-3291*	NA	75 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
8. SV-3292	13 <sup>2</sup>	86 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
9. SV-3293*	NA	51 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
10. SV-3297*	NA	49 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #32 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG Grain Receiving  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment used for the handling, cleaning, sizing, blending, conveying and unloading of agricultural grains and ingredients.

**Emission Units:** EU1101, EU1105, EU1106, EU1107, EU2101

**POLLUTION CONTROL EQUIPMENT**

Baghouse1101, Baghouse1105, Baghouse1106, Baghouse1107, Baghouse2101

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>a,2</sup>	Hourly	EU1101, EU1105, EU1106, EU1107,	SC VI.2	R 336.1205 R 336.1331(1)(c)
2. PM	0.001 lbs./ 1000 lbs. of exhaust gas <sup>a,2</sup>	Hourly	EU2101	SC VI.2	R 336.1205 R 336.1331(1)(c)
3. PM-10	0.81 pph <sup>2</sup>	Hourly	EU1101	SC VI.2 SC VI.4	R 336.1205 40 CFR 52.21(c) and (d)
4. PM-2.5	0.81 pph <sup>2</sup>	Hourly	EU1101	SC VI.2 SC VI.4	R 336.1205 40 CFR 52.21(c) and (d)
5. PM-10	0.088 pph <sup>2</sup>	Hourly	EU1105	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
6. PM-2.5	0.088 pph <sup>2</sup>	Hourly	EU1105	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
7. PM-10	0.036 pph <sup>2</sup>	Hourly	EU1106, EU1107 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
8. PM-2.5	0.036 pph <sup>2</sup>	Hourly	EU1106, EU1107 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
9. PM-10	0.227 pph <sup>2</sup>	Hourly	EU2101	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM-2.5	0.227 pph <sup>2</sup>	Hourly	EU2101	SC VI.2	R 336.1205, 40 CFR 52.21(c) and (d)
11. Opacity	10 percent <sup>2</sup>	6-minute average	EU1101, EU1105, EU1106, EU1107, EU2101 individually	SC VI.2	R 336.1301(1)(c)

<sup>a</sup> Calculated on a dry gas basis

**II. MATERIAL LIMIT(S)**

NA

### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FGGrainReceiving for more than 8,424 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FGGrainReceiving unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner. Satisfactory manner includes operating and maintaining each baghouse device in accordance with an approved MAP<sup>2</sup> **(R 336.1205, R 336.1224, 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 336.1213(3)(b)(ii))**

NA

### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition.<sup>2</sup> **(R 336.1205, R 336.1301, R 336.1331, R 336.1910, R 336.1702, 40 CFR 52.21(c) and (d))**
2. The permittee shall monitor the particulate control equipment to verify proper operation by taking visible emission readings, or checking for abnormal visible emissions, a minimum of once per week (when operating) from a 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.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FGGrainReceiving. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**
4. The permittee shall maintain monthly records of maintenance activities conducted on EU1101 baghouse according to the MAP. The permittee shall keep the records on file in a format acceptable to the AQD District Supervisor and make them available to the Department upon request.<sup>2</sup> **(R 336.1911)**

### **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter / Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV-1101 (CAM subject)	20 <sup>2</sup>	14 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
2. SV-1105*	NA	113 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>
3 SV-1106*	NA	113 <sup>2</sup>	<b>R 336.1205, 40 CFR 52.21(c) and (d)</b>
4 SV-1107*	NA	113 <sup>2</sup>	<b>R 336.1205, 40 CFR 52.21(c) and (d)</b>
5. SV-2101* (CAM subject)	NA	21 <sup>2</sup>	<b>R 336.1225, 40 CFR 52.21(c) and (d)</b>

Note: The “Minimum Height Above Ground” is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevation for Building #11 is located at the northwest corner. The benchmark elevation for Building #21 is located at the southeast corner.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-Milling  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Equipment in this flexible group is used for handling, conveying, cleaning, milling, mixing, cooking, drying, coating, and packaging cereal-based food products and ingredients.

**Emission Units:** EU435, EU436, EU437, EU438, EU901, EU903, EU905, EU907, EU908, EU2007, EU2008, EU2009, EU2010, EU2011, EU2014, EU2052, EU2053, EU2054, EU2055, EU2094, EU2095, EU20100, EU20101, EU20106, EU20107, EU32119, EU5501

**POLLUTION CONTROL EQUIPMENT**

Baghouse435, Baghouse436, Baghouse437, Baghouse438, Baghouse901, Baghouse903, Baghouse905, Baghouse907, Baghouse908, Baghouse2007, Baghouse2008, Baghouse2009, Baghouse2010, Baghouse2011, Baghouse 2014, Filter Sock2052, Filter Sock2053, Filter Sock2054, Filter Sock2055, Baghouse2094, Baghouse2095, Baghouse20100, Baghouse20101, Baghouse20106, Baghouse20107, Baghouse32119 and Cyclones32119, Wet Scrubber5501

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.01 lbs./ 1000 lbs. of exhaust gas <sup>2</sup>	Hourly	EU435, EU436, EU437, EU438, EU901, EU903, EU905, EU907, EU908, EU2007, EU2008, EU2009, EU2010, EU2011, EU2014, EU2052, EU2053, EU2054, EU2055, EU2094, EU2095, EU20100, EU20101, EU20106, EU20107, EU32119, EU5501	SC VI.2	<b>R 336.1205 R 336.1331(1)(c)</b>
2. PM-10	0.464pph <sup>2</sup>	Hourly	EU435	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
3. PM-2.5	0.464pph <sup>2</sup>	Hourly	EU435	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
4. PM-10	0.225 pph <sup>2</sup>	Hourly	EU436	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
5. PM-2.5	0.225pph <sup>2</sup>	Hourly	EU436	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
6. PM-10	0.130 pph <sup>2</sup>	Hourly	EU437	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
7. PM-2.5	0.130pph <sup>2</sup>	Hourly	EU437	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>
8. PM-10	0.018 pph <sup>2</sup>	Hourly	EU438, EU2094, EU2095 individually	SC VI.2	<b>R 336.1205 40 CFR 52.21(c) and (d)</b>

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
9. PM-2.5	0.018 pph <sup>2</sup>	Hourly	EU438, EU2094, EU2095 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
10. PM-10	0.023 pph <sup>2</sup>	Hourly	EU901	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
11. PM-2.5	0.023pph <sup>2</sup>	Hourly	EU901	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
12. PM-10	0.036 pph <sup>2</sup>	Hourly	EU903, EU905 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
13. PM-2.5	0.036 pph <sup>2</sup>	Hourly	EU903, EU905 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
14. PM-10	0.025 pph <sup>2</sup>	Hourly	EU907, EU908 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
15. PM-2.5	0.025 pph <sup>2</sup>	Hourly	EU907, EU908 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
16. PM-10	0.024 pph <sup>2</sup>	Hourly	EU2007	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
17. PM-2.5	0.024 pph <sup>2</sup>	Hourly	EU2007	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
18. PM-10	0.105 pph <sup>2</sup>	Hourly	EU2008	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
19. PM-2.5	0.105 pph <sup>2</sup>	Hourly	EU2008	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
20. PM-10	0.085 pph <sup>2</sup>	Hourly	EU2009	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
21. PM-2.5	0.085 pph <sup>2</sup>	Hourly	EU2009	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
22. PM-10	0.068 pph <sup>2</sup>	Hourly	EU2010	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
23. PM-2.5	0.068 pph <sup>2</sup>	Hourly	EU2010	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
24. PM-10	0.172 pph <sup>2</sup>	Hourly	EU2011	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
25. PM-2.5	0.172 pph <sup>2</sup>	Hourly	EU2011	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
26. PM-10	0.297 pph <sup>2</sup>	Hourly	EU2014	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
27. PM-2.5	0.297 pph <sup>2</sup>	Hourly	EU2014	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
28. PM-10	0.025 pph <sup>2</sup>	Hourly	EU2052, EU2053, EU2054, EU2055, EU20106 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
29. PM-2.5	0.025 pph <sup>2</sup>	Hourly	EU2052, EU2053, EU2054, EU2055, EU20106 individually	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
30. PM-10	0.234 pph <sup>2</sup>	Hourly	EU20100	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
31. PM-2.5	0.234 pph <sup>2</sup>	Hourly	EU20100	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
32. PM-10	0.054 pph <sup>2</sup>	Hourly	EU20101	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
33. PM-2.5	0.054 pph <sup>2</sup>	Hourly	EU20101	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
34. PM-10	0.049 pph <sup>2</sup>	Hourly	EU20107	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
35. PM-2.5	0.049 pph <sup>2</sup>	Hourly	EU20107	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
36. PM-10	0.081 pph <sup>2</sup>	Hourly	EU32119	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
37. PM-2.5	0.081 pph <sup>2</sup>	Hourly	EU32119	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
38. PM-10	0.113 pph <sup>2</sup>	Hourly	EU5501	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
39. PM-2.5	0.113 pph <sup>2</sup>	Hourly	EU5501	SC VI.2	R 336.1205 40 CFR 52.21(c) and (d)
41. Opacity	5 percent <sup>2</sup>	6-minute average	EU435, EU436, EU437, EU438, EU901, EU903, EU905, EU907, EU908, EU2007, EU2008, EU2009, EU2010, EU2011, EU2014, EU2052, EU2053, EU2054, EU2055, EU2094, EU2095, EU20100, EU20101, EU20106, EU20107, EU32119, EU5501 individually	SC VI.2	R 336.1301(1)(c)

**II. MATERIAL LIMIT(S)**

NA

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall not operate FG-Milling for more than 8,160 hours per 12-month rolling time period as determined at the end of each production month.<sup>2</sup> (R 336.1205, 40 CFR 52.21(c) and (d))

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall not operate FG-Milling unless the particulate control equipment is installed, maintained, and operated in a satisfactory manner.<sup>2</sup> (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 336.1213(3)(b)(ii))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the production month, for the previous production month, unless otherwise specified in any recordkeeping, reporting or notification special condition.<sup>2</sup> (R 336.1205, R 336.1225, R 336.1702(a))

2. The permittee shall monitor the particulate control equipment 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 VIII. Either a certified reader or a non-certified observer shall take each visible emission reading or check during routine operating conditions. If abnormal visible emissions are observed, the permittee shall implement the Malfunction Abatement Plan. The records of visible emission readings or observations shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1301, R 336.1331, R 336.1910)**
3. The permittee shall keep, in a satisfactory manner, a log of the operating hours per 12-month rolling time period as determined at the end of each production month for FG-Milling. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205, 40 CFR 52.21(c) and (d))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted with an asterisk indicating a non-vertical discharge:

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-435* (CAM subject)	NA	66 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
2. SV-436*	NA	-3 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
3. SV-437*	NA	-9 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
4. SV-438*	NA	-16 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
5. SV-901*	NA	9 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
6. SV-903*	NA	43 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
7. SV-905*	NA	43 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
8. SV-907*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
9. SV-908*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
10. SV-2007*	NA	76 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
11. SV-2008*	NA	85.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
12. SV-2009*	NA	35 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
13. SV-2010*	NA	91 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
14. SV-2011* (CAM subject)	NA	86 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
15. SV-2014	16 <sup>2</sup>	104 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
16. SV-2052*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
17. SV-2053*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
18. SV-2054*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
19. SV-2055*	NA	52 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
20. SV-2094*	NA	46 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Stack & Vent ID	Maximum Exhaust Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
21. SV-2095*	NA	46 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
22. SV-20100	18 <sup>2</sup>	116 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
23. SV-20101	11 <sup>2</sup>	103 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
24. SV-20106	9 <sup>2</sup>	86 <sup>2</sup>	R 336.1205, 40 CFR 52.21(c) and (d)
25. SV-20107	9 <sup>2</sup>	86 <sup>2</sup>	R 336.1205, 40 CFR 52.21(c) and (d)
26. SV-32119	10 <sup>2</sup>	24.5 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)
27. SV-5501	13 <sup>2</sup>	20 <sup>2</sup>	R 336.1225, 40 CFR 52.21(c) and (d)

Note: The "Minimum Height Above Ground" is measured from a common benchmark located at the highest ground elevation around the building. The benchmark elevations for Buildings #4, #20, #32, and #55 are located at the southeast corner of each building. The benchmark elevation for Building #9 is located in the middle of the south side of the building.

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FGBOILERS  
 FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Natural gas and fuel oil fired boilers used to generate steam for processes and space heating.

**Emission Units:** EUBOILER-1, EUBOILER-3, EUBOILER-4

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Fuel Oil	1.0 million gallons <sup>2</sup>	12-month rolling time period	FGBOILERS	SC VI.2	R 336.1205
2. Natural Gas	1,000 million cubic feet <sup>2</sup>	12-month rolling time period	FGBOILERS	SC VI.2	R 336.1205

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall only burn pipeline quality natural gas or No. 2 fuel oil in FGBOILERS.<sup>2</sup> (R 336.1205)
2. The sulfur content of all No. 2 fuel oil fired in FGBOILERS shall not exceed 0.75 percent by weight.<sup>2</sup> (R 336.1205)

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

1. The permittee shall verify the sulfur content of the No. 2 fuel oil for each new shipment of oil. Purchase records for ASTM specification fuel oil, specifications or analyses provided by the vendor at the time of delivery, analytical results from laboratory testing, or any other methods adequate to demonstrate compliance with the percent sulfur limit in fuel oil may be used if approved by the AQD District Supervisor.<sup>2</sup> (R 336.1205)
2. If using purchase records for ASTM specification fuel oil or analysis provided by the vendor to show compliance with the above fuel sulfur content limit, the permittee shall verify the fuel oil sulfur content, by testing, at least once per calendar year. (R 336.1213(3))

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

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.<sup>2</sup> **(R 336.1205)**
2. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period natural gas use and No. 2 fuel oil use records for FGBOILERS. The records shall be kept in a format acceptable to the AQD District Supervisor and shall be made available to the Department upon request.<sup>2</sup> **(R 336.1205)**
3. The permittee shall keep, in a satisfactory manner, a complete record of fuel oil specifications and/or a fuel oil analysis for each delivery, or storage tank, of fuel oil. These records may include purchase records for ASTM specification fuel oil, specifications or analyses provided by the vendor at the time of delivery, analytical results from laboratory testing, or any other records adequate to demonstrate compliance with the percent sulfur limit in fuel oil if approved by the AQD District Supervisor.<sup>2</sup> **(R 336.1205)**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

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-POWERHOUSE	144 <sup>2</sup>	182 <sup>2</sup>	R 336.1201(3)

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## **FGCAM\_UNITS FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Equipment with particulate emissions that are subject to CAM at the Facility.

**Emission Units:** EU407, EU417, EU418, EU419, EU420, EU427, EU430, EU433, EU435, EU492, EU1101, EU1701, EU1702, EU1703, EU1723, EU2001, EU2011, EU2027, EU2032, EU2035, EU2091, EU2092, EU2101, EU2910, EU2914, EU2922, EU2928, EU29122, EU32109, EU32113

### **POLLUTION CONTROL EQUIPMENT**

Baghouse407, Baghouse417, Baghouse418, Baghouse419, Baghouse420, Aerodyne427, Aerodyne430, Aerodyne433, Baghouse435, Baghouse492, Baghouse1101, Aerodyne1701, Aerodyne1702, Aerodyne1703, Baghouse1723, Baghouse2001, Baghouse2011, Baghouse2027, Baghouse2032, Baghouse2035, Wet Scrubber2091, Aerodyne2091, Wet Scrubber2092, Aerodyne2092, Baghouse2101, Baghouse2910, Aerodyne2914, Aerodyne2922, Baghouse2928, Horiz Dust Sep29122, Wet Scrubber29122, Baghouse32109, Cyclone32113, Wet Scrubber32113

### **I. EMISSION LIMIT(S)**

NA

### **II. MATERIAL LIMIT(S)**

NA

### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall perform and record the results of a daily 6-minute visible emission check for all emission units included in FGCAM\_UNITS during routine maximum operating conditions. If visible emissions (excursion) are observed the preventive maintenance plan shall be initiated. **(40 CFR 64.6(c)(1), 40 CFR 64.6(c)(2), 40 CFR 64.7(d))**
2. Upon detecting an excursion or exceedance, the permittee shall restore operation of FGCAM\_UNITS to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. **(40 CFR 64.7(d))**

3. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for 40 CFR Part 64 compliance, including data averages and calculations or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, in frequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. **(40 CFR 64.6(c)(3), 40 CFR 64.7(c))**
4. The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) and any activities undertaken to implement a QIP, and other information such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions. **(40 CFR 64.9(b)(1))**

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Each semiannual report of monitoring deviations shall include summary information on the number, duration and cause of excursions and/or exceedances and the corrective actions taken. If there were no excursions and/or exceedances in the reporting period, then this report shall include a statement that there were no excursions and/or exceedances. **(40 CFR 64.9(a)(2)(i))**
5. Each semiannual report of monitoring deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR 64.9(a)(2)(ii))**

See Appendix 8

## **VIII. STACK/VENT RESTRICTION(S)**

NA

## **IX. OTHER REQUIREMENT(S)**

1. If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the AQD and if necessary, submit a proposed modification of the ROP and CAM Plan to address the necessary monitoring changes. Such a modification may include but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. **(40 CFR 64.7(e))**

2. The permittee shall comply with all requirements of 40 CFR Part 64. **(40 CFR Part 64)**

**Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## **FG-MACT4Z-EMERG FLEXIBLE GROUP CONDITIONS**

### **DESCRIPTION**

Existing emergency stationary RICE as identified within 40 CFR, Part 63, Subpart ZZZZ, 63.6590(a)(1), and exempt from the requirements of Rule 201 pursuant to Rules 282(b) or 285(g).

**Emission Unit:** EU\_52\_Fire

### **POLLUTION CONTROL EQUIPMENT**

NA

### **I. EMISSION LIMIT(S)**

NA

### **II. MATERIAL LIMIT(S)**

1. Beginning January 1, 2015, the permittee shall limit the sulfur content of diesel oil to no more than 15ppm by weight for each CI RICE with a site rating greater than 100 HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in SC III.2.b.ii or SC III.2.b.iii, or as part of a financial arrangement in SC III.2.c.ii. Except that any existing diesel fuel purchased (or otherwise obtained prior to January 1, 2015, may be used until depleted. **(40 CFR 63.6604(b))**

### **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The permittee shall operate and maintain any affected RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **(40 CFR 63.6605(b))**
2. The permittee shall operate each existing emergency stationary RICE according to the requirements in the paragraphs below:
  - a. There is no time limit on the use of the emergency RICE in emergency situations. **(40 CFR 63.6640(f)(1))**
  - b. The permittee may operate the emergency stationary RICE for a maximum of 100 hours per calendar year for any of the following combination of the purposes:
    - i. For maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, the regional transmission authority or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that the Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. **(40 CFR 63.6640(f)(2)(i))**
    - ii. For emergency demand response for periods in which the regional transmission authority or equivalent balancing authority and transmission operator has declared an Energy Emergency Alert level 2 (EEA Level 2) as defined in the North American Electric reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies. **(40 CFR 63.6640(f)(2)(ii))**

- iii. For periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency. **(40 CFR 63.6640(f)(2)(iii))**
- c. The permittee may operate the emergency stationary RICE for up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year operation provided for maintenance and testing and emergency demand response in SC III.1.b. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except as provided below: **(40 CFR 63.6640(f)(4))**
  - i. Prior to May 3, 2014, the 50 hours per year for non-emergency situation can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if engines are operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. **(40 CFR 63.6640(f)(4)(i))**
  - ii. The permittee may use the 50 hours per year for non-emergency situations to supply power as part of a financial arrangement with another entity if all of the following conditions are met.
    - 1. The engine is dispatched by the local balancing authority or local transmission and distribution system operator.
    - 2. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
    - 3. The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
    - 4. The power is provided only to the facility itself or to support the local transmission and distribution system.
    - 5. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator. **(40 CFR 63.6640(f)(4)(ii))**
- 3. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in SC III.2.a through 2.c is prohibited. An engine that exceeds the calendar year limitations in SC III.2.a through 2.c, will be considered a non-emergency engine and must meet all the requirements for non-emergency engines in 40 CFR Part 63 Subpart ZZZZ for the remaining life of the engine. **(40 CFR 63.6640(f))**
- 4. The permittee shall comply with the following requirements for each existing emergency stationary RICE by the applicable compliance date. **(40 CFR 63.6603(a) and Table 2d)**
  - a. For CI Engines:
    - i. Change the oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.5.
    - ii. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
    - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
  - b. For SI Engines:
    - i. Change the oil and filter every 500 hours of operation or annually, whichever comes first, except as allowed in SC III.5.
    - ii. Inspect the spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
    - iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

5. The permittee may utilize an oil analysis program in order to extend the specified oil change requirement in 40 CFR 63.6603 and as listed in SC III.4. The oil analysis program must be performed at the same frequency as oil changes are required. The analysis program must analyze the parameters and keep records as required in 40 CFR 63.6625(i) for CI engines or 40 CFR 63.6625(j) for SI engines. **(40 CFR 63.6625(i) and (j))**

#### **IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. The permittee shall equip and maintain each existing emergency stationary RICE with a non-resettable hour meter, if one is not already installed, on each unit in FG-MACT4Z-EMERG. **(40 CFR 63.6625(f))**
2. The permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6625(e), 40 CFR 63.6640(a) and Table 6)**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. If using the oil analysis program for CI engines, the permittee shall test for Total Base Number, viscosity and percent water content. **(40 CFR 63.6625(i))**
2. If using the oil analysis program for SI engines, the permittee shall test for Total Acid Number, viscosity and percent water content. **(40 CFR 63.6625(j))**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep all the records required by 40 CFR 63.6655 (except 63.6655(c)). **(40 CFR 63.6655(a))**
2. The permittee shall maintain, at a minimum, the following records by the applicable compliance date:
  - a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63 Subpart ZZZZ and the documentation supporting each notification and report. **(40 CFR 63.6655(a)(1))**
  - b. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(2))**
  - c. Records of all required maintenance performed on the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(4))**
  - d. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. **(40 CFR 63.6655(a)(5))**
3. The permittee shall keep records as required in SC IV.2 to show continuous compliance with each emission or operating limit that applies. **(40 CFR 63.6655(d), 40 CFR 63.6660)**
4. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the permittee's maintenance plan. **(40 CFR 63.6655(e), 40 CFR 63.6660)**
5. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document: **(40 CFR 63.6655(f), 40 CFR 63.6660)**
  - a. How many hours are spent for emergency operation.
  - b. What classified the operation as an emergency.
  - c. How many hours are spent for non-emergency operation.

- d. If the engines are used for demand response operation specified in SC III.2.b.ii or SC III.2.b.iii, or as part of a financial arrangement in SC.III.2.c.ii the permittee must keep records of the notification of the emergency situation, the date and the start and end time the engine was operated as part of demand response.

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. Beginning with the calendar year 2015, the permittee shall submit an annual report pursuant to 63.6650(h) for each RICE with a site rating greater than 100 bhp that operates or is contractually obligated to be available for more than 15 hours per year for demand response operation specified in SC III.2.b.ii or SC III.2.b.iii, or as part of a financial arrangement in SC III.2.c.ii. The report shall be submitted electronically to the EPA Central Data Exchange by March 31 for the previous calendar year. The report shall contain the following information: **(40 CFR 63.6650(h))**
  - a. Company name and address where the engine is located
  - b. Date of the report and beginning and ending dates of the reporting period.
  - c. Engine site rating and model year.
  - d. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
  - e. Hours operated for the purposes specified in §63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(2)(ii) and (iii).
  - f. Number of hours the engine is contractually obligated to be available for the purposes specified in §63.6640(f)(2)(ii) and (iii).
  - g. Hours spent for operation for the purpose specified in §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
  - h. If there were no deviations from the fuel requirements in §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
  - i. If there were deviations from the fuel requirements in §66.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

See Appendix 8

## **VIII. STACK/VENT RESTRICTION(S)**

NA

## **IX. OTHER REQUIREMENT(S)**

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart ZZZZ, as they apply to FG-MACT4Z-EMERG. The permittee may choose an alternative compliance method not listed in FG-MACT4Z-Emerg by complying with all applicable provisions required by Subpart ZZZZ for the compliance option chosen. **(40 CFR 70.6(9), 40 CFR 63.9(j), 40 CFR Part 63, Subparts A and ZZZZ)**

### **Footnotes:**

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

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**FG-RULE287(2)(c)  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION**

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rule 278, Rule 278a and Rule 287(2)(c). Emission units installed/modified before December 20, 2016, may show compliance with Rule 287 in effect at the time of installation/modification.

**Emission Units installed on or after December 20, 2016:** Any future emission unit that meets the requirements of this flexible group.

**Emission Units installed prior to December 20, 2016:** EU-CODE\_DATERS

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

Material	Limit	Time Period/ Operating Scenario	Equipment	Underlying Applicable Requirements
1. Coatings	200 Gallons/month (minus water as applied)	Calendar month	Each emission unit	R 336.1287(2)(c)(i)

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

NA

**IV. DESIGN/EQUIPMENT PARAMETER(S)**

1. Any exhaust system installed on or after December 20, 2016, that serves only coating spray equipment shall be equipped with a dry filter control or water wash control which is installed, maintained, and operated in accordance with the manufacturer's specifications, or the permittee develops a plan which provides to the extent practicable for the maintenance and operation of the equipment in a manner consistent with good air pollution control practices for minimizing emissions. All emission units installed before December 20, 2016, with an exhaust system that serves only coating spray equipment must have a properly installed and operated particulate control system. (R 336.1213(2), R 336.1287(2)(c)(ii), R 336.1910)

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the EGLE, AQD Rule 287(2)(c), Permit to Install Exemption Record form (EQP 3562) or in a format acceptable to the AQD District Supervisor. **(R 336.1213(3))**
  - a. Volume of coating used, as applied, minus water, in gallons. **(R 336.1287(2)(c)(iii))**
  - b. Documentation of any filter replacements or maintenance of water wash control for exhaust systems serving coating spray equipment or other documentation included in a plan developed by the owner or operator of the equipment. **(R 336.1213(3))**

See Appendix 4

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

**Footnotes:**

- <sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
- <sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

## FGRULE290 FLEXIBLE GROUP CONDITIONS

### **DESCRIPTION**

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rule 278, Rule 278a and Rule 290. Emission units installed/modified before December 20, 2016, may show compliance with Rule 290 in effect at the time of installation/modification.

**Emission Units installed on or after December 20, 2016:** EU-PB\_Coating, and any future emission unit that meets the requirements of this flexible group.

**Emission Units installed prior to December 20, 2016:** EU20115

### **POLLUTION CONTROL EQUIPMENT**

Various

### **I. EMISSION LIMIT(S)**

1. Each emission unit that emits only noncarcinogenic volatile organic compounds or noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, if the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively. **(R 336.1290(2)(a)(i))**
2. Any emission unit for which CO<sub>2</sub> equivalent emissions are not more than 6,250 tons per month and for which the total uncontrolled or controlled emissions of all other air contaminants are not more than 1,000 or 500 pounds per month, respectively, and all the following criteria listed below are met: **(R 336.1290(2)(a)(ii))**
  - a. For toxic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 0.04 micrograms per cubic meter and less than 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively.  
**(R 336.1290(2)(a)(ii)(A))**
  - b. For toxic air contaminants with initial risk screening levels greater than or equal to 0.04 microgram per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively.  
**(R 336.1290(2)(a)(ii)(B))**
  - c. The emission unit shall not emit any toxic air contaminants, excluding non-carcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with an initial threshold screening level or initial risk screening level less than 0.04 microgram per cubic meter. **(R 336.1290(2)(a)(ii)(C))**
  - d. For total mercury, the uncontrolled or controlled emissions shall not exceed 0.01 pounds per month from emission units installed on or after December 20, 2016. **(R 336.1290(2)(a)(ii)(D))**
  - e. For lead, the uncontrolled or controlled emissions shall not exceed 16.7 pounds per month from emission units installed on or after December 20, 2016. **(R 336.1290(2)(a)(ii)(E))**
3. Any emission unit that emits only particulate air contaminants without initial risk screening levels and other air contaminants that are exempted under Rule 290(2)(a)(i) or Rule 290(2)(a)(ii), if all the following provisions are met: **(R 336.1290(2)(a)(iii))**

- a. The particulate emissions are controlled by an appropriately designed and operated fabric filter collector or an equivalent control system which is designed to control particulate matter to a concentration of less than or equal to 0.01 pound of particulate per 1,000 pounds of exhaust gases and which does not have exhaust gas flow rate more than 30,000 actual cubic feet per minute. **(R 336.1290(2)(a)(iii)(A))**
- b. The visible emissions from the emission unit are not more than 5% opacity in accordance with the methods contained in Rule 303. **(R 336.1290(2)(a)(iii)(B))**
- c. The initial threshold screening level for each particulate toxic air contaminant, excluding nuisance particulate, is more than 2.0 micrograms per cubic meter. **(R 336.1290(2)(a)(iii)(C))**

## **II. MATERIAL LIMIT(S)**

NA

## **III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The provisions of Rule 290 apply to each emission unit that is operating pursuant to Rule 290. **(R 336.1290)**
2. The following requirements apply to emission units installed on or after December 20, 2016, utilizing control equipment:
  - a. An air cleaning device for volatile organic compounds shall be installed, maintained, and operated in accordance with the manufacturer's specifications. Examples include the following: **(R 336.1290(2)(b)(i), R 336.1910)**
    - i. Oxidizers and condensers equipped with a continuously displayed temperature indication device.
    - ii. Wet scrubbers equipped with a liquid flow rate monitor.
    - iii. Dual stage carbon absorption where the first canister is monitored for breakthrough and replaced if breakthrough is detected.
  - b. An air cleaning device for particulate matter shall be installed, maintained, and operated in accordance with the manufacturer's specifications or the permittee shall develop a plan that provides to the extent practicable for the maintenance and operation of the equipment in the manner consistent with good air pollution control practices for minimizing emissions. It shall also be equipped to monitor appropriate indicators of performance, for example, static pressure drop, water pressure, and water flow rate.  
**(R 336.1290(2)(b)(ii), R 336.1910)**

## **IV. DESIGN/EQUIPMENT PARAMETER(S)**

NA

## **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

## **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the EGLE, AQD Rule 290; Permit to Install Exemption Record form (EQP 3558) or in a format that is acceptable to the AQD District Supervisor. **(R 336.1213(3))**
  - a. Records identifying each air contaminant that is emitted. **(R 336.1213(3))**
  - b. Records identifying if each air contaminant is controlled or uncontrolled. **(R 336.1213(3))**

- c. Records identifying if each air contaminant is either carcinogenic or non-carcinogenic. **(R 336.1213(3))**
  - d. Records identifying the ITSL and IRSL, if established, of each air contaminant that is being emitted under the provisions of Rules 290(2)(a)(ii) and (iii). **(R 336.1213(3))**
  - e. Records of material use and calculations identifying the quality, nature, and quantity of the air contaminant emissions in sufficient detail to demonstrate that the actual emissions of the emission unit meet the emission limits outlined in this table and Rule 290. Volatile organic compound emissions from units installed on or after December 20, 2016, shall be calculated using mass balance, generally accepted engineering calculations, or another method acceptable to the AQD District Supervisor. **(R 336.1213(3), R 336.1290(2)(d))**
  - f. Records are maintained on file for the most recent 2-year period and are made available to the department upon request. **(R 336.1213(3), R 336.1290(2)(e))**
2. The permittee shall maintain an inventory of each emission unit that is exempt pursuant to Rule 290. This inventory shall include the following information. **(R 336.1213(3))**
    - a. The permittee shall maintain a written description of each emission unit as it is maintained and operated throughout the life of the emission unit. **(R 336.1290(2)(c), R 336.1213(3))**
    - b. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(2)(a)(iii), the permittee shall maintain a written description of the control device, including the designed control efficiency and the designed exhaust gas flow rate. **(R 336.1213(3))**
  3. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(2)(a)(iii), the permittee shall perform a monthly visible emission observation of each stack or vent during routine operating conditions. This observation need not be performed using Method 9. The permittee shall keep a written record of the results of each observation. **(R 336.1213(3))**

See Appendix 4

## **VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

## **VIII. STACK/VENT RESTRICTION(S)**

NA

## **IX. OTHER REQUIREMENT(S)**

NA

### **Footnotes:**

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

<sup>2</sup>This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

<b>FGCOLDCLEANERS FLEXIBLE GROUP CONDITIONS</b>
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**DESCRIPTION**

Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278, Rule 278a and Rule 281(2)(h) or Rule 285(2)(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.

**Emission Unit:** EUCOLDCLEANERS

**POLLUTION CONTROL EQUIPMENT**

NA

**I. EMISSION LIMIT(S)**

NA

**II. MATERIAL LIMIT(S)**

1. The permittee shall not use cleaning solvents containing more than five percent by weight of the following halogenated compounds: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chloroform, or any combination thereof. **(R 336.1213(2))**

**III. PROCESS/OPERATIONAL RESTRICTION(S)**

1. The cold cleaner must meet one of the following design requirements:
  - a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(2)(h))**
  - b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285(2)(r)(iv))**
2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**
3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**
4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**
5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees Fahrenheit, then the cold cleaner must comply with at least one of the following provisions:
  - a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**
  - b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**
  - c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**
2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**
  - a. A serial number, model number, or other unique identifier for each cold cleaner.
  - b. The date the unit was installed, manufactured or that it commenced operation.
  - c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(2)(h).
  - d. The applicable Rule 201 exemption.
  - e. The Reid vapor pressure of each solvent used.
  - f. If applicable, the option chosen to comply with Rule 707(2).
3. The permittee shall maintain written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**
4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

**VII. REPORTING**

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**
2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

**VIII. STACK/VENT RESTRICTION(S)**

NA

**IX. OTHER REQUIREMENT(S)**

NA

## **E. NON-APPLICABLE REQUIREMENTS**

At the time of the ROP issuance, the AQD has determined that no non-applicable requirements have been identified for incorporation into the permit shield provision set forth in the General Conditions in Part A pursuant to Rule 213(6)(a)(ii).

## APPENDICES

### Appendix 1. Acronyms and Abbreviations

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 <sub>2</sub> e	Carbon Dioxide Equivalent
CEMS	Continuous Emission Monitoring System	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
COM	Continuous Opacity Monitoring	°F	Degrees Fahrenheit
Department/ department	Michigan Department of Environment, Great Lakes, and Energy	gr	Grains
EGLE	Michigan Department of Environment, Great Lakes, and Energy	HAP	Hazardous Air Pollutant
EU	Emission Unit	Hg	Mercury
FG	Flexible Group	hr	Hour
GACS	Gallons of Applied Coating Solids	HP	Horsepower
GC	General Condition	H <sub>2</sub> S	Hydrogen Sulfide
GHGs	Greenhouse Gases	kW	Kilowatt
HVLP	High Volume Low Pressure*	lb	Pound
ID	Identification	m	Meter
IRSL	Initial Risk Screening Level	mg	Milligram
ITSL	Initial Threshold Screening Level	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	NMOC	Non-methane Organic Compounds
MAP	Malfunction Abatement Plan	NO <sub>x</sub>	Oxides of Nitrogen
MSDS	Material Safety Data Sheet	ng	Nanogram
NA	Not Applicable	PM	Particulate Matter
NAAQS	National Ambient Air Quality Standards	PM10	Particulate Matter equal to or less than 10 microns in diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	%	Percent
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 <sub>2</sub>	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.

**Appendix 2. Schedule of Compliance**

The permittee certified in this ROP application that this stationary source is in compliance with all applicable requirements of this ROP except for the following: FG2983CoatOxdOn, Special Condition IV.2. Stack test results showed that the facility was unable to comply with the required 85.5% combined capture and destruction efficiency for their catalytic oxidizer. The facility’s Violation Notice response indicated that they plan to either conduct a retest or modify their permit to remedy the issue. As a result, the permittee was required to submit a Schedule of Compliance as defined in Rule 119(a), pursuant to Rule 210(2) and Rule 213(4).

A Schedule of Compliance for any applicable requirements that the permittee is not in compliance with at the time of the ROP issuance is supplemental to, and shall not sanction non-compliance with, the underlying applicable requirements on which it is based.

The permittee shall adhere to this schedule of compliance and submit the required certified progress reports accordingly.

**Compliance Plan**

The permittee outlined the details of achieving compliance in a narrative compliance plan. The details of the compliance plan are outlined below.

**Schedule of Compliance**

The following schedule of compliance conforms with the provisions of Rule 119(a) and Rule 213(4).

<b>Emission Unit/ Flexible Group ID and Condition No.</b>	<b>Applicable Requirement</b>	<b>Remedial Measure</b>	<b>Required Action</b>	<b>Milestone Date</b>	<b>Progress Reports</b>
FG2983CoatOxdOn, SC IV.2	R 336.1201(3) R 336.1702(a)	Retest FG2983Coat OxdOn	Company shall submit testing protocol to the AQD and will perform testing before the Milestone Date.	August 1, 2020	
			Company shall submit the results from the stack test to the AQD within 60 days after the test.	October 1, 2020	
		If retest shows non-compliance, modify Permit to Install and Revise ROP.	If the test did not confirm compliance, the company shall submit an application requesting modification of Permit to Install No. MI-B1548-2014d within 30 days of receiving the test results.	November 1, 2020	
			Company shall comply with all terms and conditions of the modified permit upon issuance.	Permit Issuance Date	
			Company shall submit a complete ROP modification application package to EGLE	Within thirty (30) calendar days of the effective date of the PTI.	

**Progress Reports**

The permittee shall submit Certified Progress Reports to the appropriate AQD District Supervisor using EGLE, AQD, Report Certification form (EQP 5736). Alternative formats must meet the provisions of Rule 213(4)(c) and Rule 213(3)(c)(i), respectively, and be approved by the AQD District Supervisor. **(R 336.1213(4)(b))**

Progress reports shall contain the following information:

The projected dates for achieving scheduled activities, milestones or compliance as required in the schedule of compliance. **(R 336.1213(4)(b)(i))**

The actual dates that the activities, milestones, or compliance are achieved. **(R 336.1213(4)(b)(i))**

An explanation of why any dates in the Schedule of Compliance were not or will not be met. **(R 336.1213(4)(b)(ii))**

A description of any preventative or corrective measures adopted in order to ensure that the schedule of compliance is met. **(R 336.1213(4)(b)(ii))**

**Appendix 3. Monitoring Requirements**

Specific monitoring requirement procedures, methods or specifications are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

**Appendix 4. Recordkeeping**

Specific recordkeeping requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

**Appendix 5. Testing Procedures**

Specific testing requirement plans, procedures, and averaging times are detailed in the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

**Appendix 6. Permits to Install**

The following table lists any PTIs issued or ROP revision applications received since the effective date of the previously issued ROP No. MI-ROP-B1548-2014. Those ROP revision applications that are being issued concurrently with this ROP renewal are identified by an asterisk (\*). Those revision applications not listed with an asterisk were processed prior to this renewal.

Source-Wide PTI No MI-PTI-B1548-2014d is being reissued as Source-Wide PTI No. MI-PTI-B1548-2020

Permit to Install Number	ROP Revision Application Number	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
31-14A	201400123/ October 21, 2014	Incorporate PTI No. 31-14A. The PTI No. 31-14A is for installation of a new cereal manufacturing line to make Grape Nuts (FG-20108_Baking) with a VOC emission limit of 25.8 tpy and a material restriction of 18,500 tpy of base product. Also, add FG-Rule 287(c) for ink usage on code dating equipment.	FG-20108_Baking FG-Milling FG-Rule 287(c)

Permit to Install Number	ROP Revision Application Number	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
191-14	201500034/ May 5, 2015	Incorporate PTI No. 191-14. PTI No. 191-14 is for an increase in the VOC emission limit for the cereal coating line FG-477_Coating.	FG-477_Coating
81-16	201600177/February 2, 2017	Incorporate PTI 81-16. PTI 81-16 replaced the control device on EU2011 and emissions from EU2012 are diverted to EU2011 and Emission Unit 2012 has been removed. Additionally, cyclone and wet scrubber collectors on EU2014 were replaced with a baghouse.	EU2011 EU2014 FG-Milling
136-16	201700136/January 17, 2018	Incorporate PTI 136-16. PTI 136-16 replaced the baghouse (Baghouse1101) associated with EU1101 which is a portion of FGGrainReceiving.	EU1101, FGGrainReceiving

The following table lists the ROP amendments or modifications issued after the effective date of ROP No. MI-ROP B1548-2020.

Permit to Install Number	ROP Revision Application Number - Issuance Date	Description of Equipment or Change	Corresponding Emission Unit(s) or Flexible Group(s)
38-20	202000117 / October 12, 2020	Incorporate PTI 38-20. PTI 38-20 was for control equipment reconfiguration to existing equipment EU487 and EU488. References to EU487 were removed from FGBLD-4Rice/Bran.	EU488 FG-488_Coating FGBLD-4Rice/Bran

## Appendix 7. Emission Calculations

There are no specific emission calculations to be used for this ROP. Therefore, this appendix is not applicable.

## Appendix 8. Reporting

### A. Annual, Semiannual, and Deviation Certification Reporting

The permittee shall use the EGLE, AQD, Report Certification form (EQP 5736) and EGLE, AQD, Deviation Report form (EQP 5737) for the annual, semiannual and deviation certification reporting referenced in the Reporting Section of the Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Alternative formats must meet the provisions of Rule 213(4)(c) and Rule 213(3)(c)(i), respectively, and be approved by the AQD District Supervisor.

### B. Other Reporting

Specific reporting requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, Part B of this appendix is not applicable.

### **Appendix 9. Preventative Maintenance Plan**

The permittee shall maintain an acceptable preventative maintenance plan and submit modifications upon request of the AQD District Supervisor.

### **Appendix 10. Malfunction Abatement Plan**

The permittee shall maintain an acceptable malfunction abatement plan and submit modifications upon request of the AQD District Supervisor.