



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

OCT 30 2019

Mr. Gary Weitharn
DairiConcepts, L.P.
305 West US Highway 54
El Dorado Springs, MO 64744

Re: Part 70 Operating Permit Renewal
Installation ID: 039-0003, Permit Number: OP2019-022

Dear Mr. Weitharn:

Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.

You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.078.16 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS:BJJ

Enclosures

c: PAMS File: 2017-07-024



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Table of Contents

I. INSTALLATION EQUIPMENT LISTING	3
EMISSION UNITS WITH LIMITATIONS	3
EMISSION UNITS WITHOUT SPECIFIC LIMITATIONS	3
II. PLANT WIDE EMISSION LIMITATIONS.....	4
III. EMISSION UNIT SPECIFIC EMISSION LIMITATIONS	5
PERMIT CONDITION 1	5
10 CSR 10-6.020(2)(P)6. and 10 CSR 10-6.065(5)(C)1. Voluntary Limitation(s)	5
PERMIT CONDITION 2	6
10 CSR 10-6.060 Construction Permits Required	6
Construction Permit #032000-004 Issued January 31, 2000	6
PERMIT CONDITION 3	7
10 CSR 10-6.060 Construction Permits Required	7
Construction Permit #122002-007 Issued November 7, 2001	7
PERMIT CONDITION 4	8
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants.....	8
PERMIT CONDITION 5	9
10 CSR 10-6.070 New Source Performance Regulations.....	9
40 CFR Part 60, Subpart Dc – Standards of Performance for Small-Industrial-Commercial-Institutional Steam Generating Units	9
IV. CORE PERMIT REQUIREMENTS	10
V. GENERAL PERMIT REQUIREMENTS.....	16
VI. ATTACHMENTS	22
ATTACHMENT A.....	23
Fugitive Emission Observations	23
ATTACHMENT B.....	24
Method 22 Visible Emissions Observations	24
ATTACHMENT C.....	25
Method 9 Opacity Observations	25
ATTACHMENT C (CONTINUED)	26
ATTACHMENT D.....	27
Inspection/Maintenance/Repair/Malfunction Log	27
ATTACHMENT E	28
Pressure Drop Log	28

I. Installation Equipment Listing

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation that emits air pollutants and that are identified as having unit-specific emission limitations.

Emission Point #	Description	Manufacturer / Model #
EP1	Boiler #1 MHDR 56 MMBtu/hr; natural gas; installed 1982	Nebraska/ 2D2012
EP4	Blending for Dryer #1; MHDR 4.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 1997	AAF International/ Model 1428606-1
EP5	Spray Dryer #1; 16.6 MMBTU/hr natural gas	
EP9	Boiler #2 MHDR 25.106 MMBtu/hr; natural gas; installed 1999	Cleaver Brooks/ CB 400-6000
EP10	Blending for Dryer #2; Natural Gas fired dryer; MHDR 2.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 2002	AAF International/ Model BR2
EP11	Spray Dryer #2; 4 MMBTU/hr natural gas	
EP12	Blending for Dryer #3; MHDR 2.5 tph; equipped with rotoclone dynamic wet separator; vents outdoors	
EP13	Spray Dryer #3; 8 MMBTU/hr natural gas	

EMISSION UNITS WITHOUT SPECIFIC LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Emission Point #	Description
	0.06 MMBtu/hr Space Heater

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued. The plant wide conditions apply to all emission units at this installation. All emission units are listed in Section I under Emission Units with Limitations and Emission Units without Specific Limitations.

None

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

PERMIT CONDITION 1		
10 CSR 10-6.020(2)(P)6. and 10 CSR 10-6.065(5)(C)1. Voluntary Limitation(s)		
Emission Point #	Description	Manufacturer / Model #
EP4	Blending for Dryer #1; MHDR 4.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 1997	AAF International/ Model 1428606-1
EP10	Blending for Dryer #2; MHDR 2.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 2002	AAF International/ Model BR2
EP12	Blending for Dryer #3; MHDR 2.5 ton/hr; equipped with rotoclone dynamic wet separator; installed 2002	

Operational Limitations:

- 1) The permittee shall control emissions of PM₁₀ from the blenders for dryers 1, 2, and 3 with a wet scrubber at all times when the blenders are in use.
- 2) The permittee shall operate and maintain the wet separators in accordance with the manufacturer’s specifications.
- 3) The permittee shall equip each wet separator with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that Department of Natural Resources’ employees may easily observe them.
- 4) The permittee shall install a water flow meter that will indicate the water flow entering each wet separator. The water flow meter(s) shall be installed within one year from issuance of this operating permit.

Monitoring/Recordkeeping:

- 1) The permittee shall monitor and record the operating pressure drop across each wet separator at least once every 24 hours.
- 2) The permittee shall monitor and record the water pressure entering each wet separator at least once every 24 hours. This data is used to calculate flow rate through the wet separators. The permittee is not required to continue to monitor and record the water pressure entering each wet separator after the installation of the water flow meters.
- 3) After the installation of the water flow meters, the permittee shall monitor and record the water flow entering each wet separator at least once every 24 hours.
- 4) The permittee shall maintain onsite a copy of the manufacturer’s specifications for each wet separator.
- 5) The permittee shall maintain an operating and maintenance log for the separators which shall include the following:
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and

- b) Maintenance activities, with inspection schedule, repair action, and replacements, etc. (see Attachment D)

Reporting:

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

PERMIT CONDITION 2 10 CSR 10-6.060 Construction Permits Required Construction Permit #032000-004 Issued January 31, 2000		
Emission Point #	Description	Manufacturer / Model #
EP5	Spray dryer #1; MHDR 4 ton/hr, spray dryer installed 1978; heated with natural gas direct-fired burner; MHDR 16.6 MMBtu/hr; burner installed 2011	Dryer - Niro/ SD-500 Burner - Maxon

Operational Limitations:

- 1) The permittee shall control emissions of PM₁₀ from the spray dryer EP5 with a wet venturi scrubber at all times when the dryer is in use. This scrubber shall be equipped with a gauge or meter which indicates the pressure drop across the scrubber.[Special Condition #1]
- 2) The permittee shall install a water flow meter that will indicate the water flow entering each wet separator. The water flow meter shall be installed within one year from issuance of this operating permit.

Monitoring/Recordkeeping:

- 1) The permittee shall monitor and record the pressure drop across the scrubber at least once every 24 hours (Attachment E). The pressure drop shall be maintained within the normal operating range indicated by the manufacturer's specifications.
- 2) The permittee shall monitor and record the water pressure entering each wet separator at least once every 24 hours. This data is used to calculate flow rate through the wet separators. The permittee is not required to continue to monitor and record the water pressure entering each wet separator after the installation of the water flow meters.
- 3) After the installation of the water flow meters, the permittee shall monitor and record the water flow entering each wet separator at least once every 24 hours.
- 4) The permittee shall maintain onsite a copy of the manufacturer's specifications for the scrubber.
- 5) The permittee shall maintain an operating and maintenance log for the collector which shall include the following:
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair action, and replacements, etc. (see Attachment D)

Reporting:

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

PERMIT CONDITION 3		
10 CSR 10-6.060 Construction Permits Required		
Construction Permit #122002-007 Issued November 7, 2001		
Emission Point #	Description	Manufacturer / Model #
EP11	Spray dryer #2; MHDR 2 ton/hr, spray dryer installed 2002; heated with natural gas indirect-fired burner; MHDR 4 MMBtu/hr; burner installed 2002	Dryer - Myers-Sterner Burner - Maxon
EP13	Spray dryer #3; MHDR 2.5 ton/hr, spray dryer installed 2002; heated with natural gas indirect-fired burner; MHDR 8 MMBtu/hr; burner installed 2002	Dryer - Myers-Sterner Burner - Maxon

Operational Limitations:

- 1) The permittee shall control emissions of PM₁₀ from the spray dryers EP11 and EP13 with a wet scrubber at all times when the dryer is in use. This scrubber shall be equipped with a gauge or meter, which indicates the pressure drop across the scrubber. [Special Condition #1]
- 2) The permittee shall install a water flow meter that will indicate the water flow entering each wet separator. The water flow meter shall be installed within one year from issuance of this operating permit.

Monitoring/Recordkeeping:

- 1) The permittee shall monitor and record the pressure drop across the scrubber at least once every 24 hours (Attachment E). The pressure drop shall be maintained within the normal operating range indicated by the manufacturer's specifications.
- 2) The permittee shall monitor and record the water pressure entering each wet separator at least once every 24 hours. This data is used to calculate flow rate through the wet separators. The permittee is not required to continue to monitor and record the water pressure entering each wet separator after the installation of the water flow meters.
- 3) After the installation of the water flow meters, the permittee shall monitor and record the water flow entering each wet separator at least once every 24 hours.
- 4) The permittee shall maintain onsite a copy of the manufacturer's specifications for the scrubber.
- 5) The permittee shall maintain an operating and maintenance log for the collector which shall include the following:
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair action, and replacements, etc. (see Attachment D)

Reporting:

The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

PERMIT CONDITION 4	
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	
Emission Unit	Description
EP4	Blending for Dryer #1; MHDR 4.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 1997
EP5	Spray dryer #1; MHDR 4 ton/hr, spray dryer installed 1978; heated with natural gas direct-fired burner; MHDR 16.6 MMBtu/hr; burner installed 2011
EP10	Blending for Dryer #2; Natural Gas fired dryer; MHDR 2.0 ton/hr; equipped with rotoclone dynamic wet separator; installed 2002
EP11	Spray dryer #2; MHDR 2 ton/hr, spray dryer installed 2002; heated with natural gas indirect-fired burner; MHDR 4 MMBtu/hr; burner installed 2002
EP12	Blending for Dryer #3; MHDR 2.5 tph; equipped with rotoclone dynamic wet separator; vents outdoors
EP13	Spray dryer #3; MHDR 2.5 ton/hr, spray dryer installed 2002; heated with natural gas indirect-fired burner; MHDR 8 MMBtu/hr; burner installed 2002

note: Since all emission units are indoors, the permittee need only make one observation from the parking lot off Maple St. for the entire facility.

Emission Limitation:

- 1) The permittee shall not cause or permit to be discharged into the atmosphere from these emission units any visible emissions with an opacity greater than 20 percent for any continuous six-minute period. [10 CSR 10-6.220(3)(A)1]
- 2) Exception: The permittee may discharge into the atmosphere from any emission unit visible emissions with an opacity up to 60 percent for one continuous six-minute period in any 60 minutes. [10 CSR 10-6.220(3)(A)2]
- 3) Failure to demonstrate compliance with 10 CSR 10-6.220(3)(A) solely because of the presences of uncombined water shall not be a violation. [10 CSR 10-6.220(3)(B)]

Monitoring:

- 1) Monitoring schedule:
 - a) The permittee shall conduct weekly observations for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then:
 - i) The permittee shall conduct observations once every two weeks for a period of eight weeks. If a violation is noted, the permittee shall revert to weekly monitoring. Should no violation of this regulation be observed during this period then:
 - ii) The permittee shall conduct observations once per month. If a violation is noted, the permittee shall revert to weekly monitoring.
- 2) If the permittee reverts to weekly monitoring at any time, the monitoring schedule shall progress in an identical manner from the initial monitoring schedule.
- 3) Observations are only required when the emission units are operating and when the weather conditions allow.
- 4) Issuance of a new, amended, or modified operating permit does not restart the monitoring schedule.

- 5) The permittee shall conduct visible emissions observation on these emission units using the procedures contained in U.S. EPA Test Method 22. Each Method 22 observation shall be conducted for a minimum of six-minutes. If no visible emissions are observed from the emission unit using Method 22, then no Method 9 is required for the emission unit.
- 6) For emission units with visible emissions, the permittee shall have a certified Method 9 observer conduct a U.S. EPA Test Method 9 opacity observation. The permittee may choose to forego Method 22 observations and instead begin with a Method 9 opacity observation. The certified Method 9 observer shall conduct each Method 9 opacity observation for a minimum of 30-minutes.

Record Keeping:

- 1) The permittee shall maintain records of all observation results for each emission unit using Attachments B and C or equivalent forms.
- 2) The permittee shall make these records available within a reasonable period of time for inspection to the Department of Natural Resources' personnel upon request.
- 3) The permittee shall retain all records for five years.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program's Compliance/Enforcement Section at P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov, no later than ten days after an exceedance of the emission limitation.
- 2) The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

PERMIT CONDITION 5	
10 CSR 10-6.070 New Source Performance Regulations 40 CFR Part 60, Subpart Dc – Standards of Performance for Small-Industrial-Commercial- Institutional Steam Generating Units	
Emission Unit	Description
EP1	Boiler #1 MHDR 56 MMBtu/hr; installed 1982
EP9	Boiler #2 MHDR 25.106 MMBtu/hr; installed 1999

Reporting and Recordkeeping Requirements:

- 1) The permittee shall record and maintain records of the amount of each fuel combusted during each operating day. [§60.48c(g)(1)]
- 2) As an alternative to meeting the requirements of 1) above:
 - a) The permittee may elect to record and maintain records of the amount of fuel combusted during each calendar month, or . [§60.48c(g)(2)]
 - b) The permittee may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. [§60.48c(g)(3)]
- 3) The permittee shall maintain these records on-site for not less than five years and shall make them available to Missouri Department of Natural Resources' personnel upon request.
- 4) The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and annual compliance certification required by Section V of this permit.

IV. Core Permit Requirements

The installation shall comply with each of the following regulations or codes. Consult the appropriate sections in the Code of Federal Regulations (CFR), the Code of State Regulations (CSR), and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued. The following are only excerpts from the regulation or code, and are provided for summary purposes only.

10 CSR 10-6.045 Open Burning Requirements

- 1) General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
- 2) Certain types of materials may be open burned provided an open burning permit is obtained from the director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the permittee fails to comply with the conditions or any provisions of the permit.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the paragraph one information to the director in writing at least ten days prior to any maintenance, start-up or shutdown activity which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, notice shall be given as soon as practicable prior to the activity.
- 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.

- 4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. The permittee shall retain the most current operating permit issued to this installation on-site. The permittee shall make such permit available within a reasonable period of time to any Missouri Department of Natural Resources personnel upon request.

10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61 Subpart M National Emission Standard for Asbestos

The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.

10 CSR 10-6.110 Reporting of Emission Data, Emission Fees and Process Information

- 1) The permittee shall submit a Full Emissions Report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the director.
- 2) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.
- 3) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.165 Restriction of Emission of Odors

This is a State Only permit requirement.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour. This odor evaluation shall be taken at a location outside of the installation's property boundary.

10 CSR 10-6.170

Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

Emission Limitation:

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

Monitoring:

The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.

The permittee shall maintain the following monitoring schedule:

- 1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
- 2) Should no violation of this regulation be observed during this period then-
 - a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - b) If a violation is noted, monitoring reverts to weekly.
 - c) Should no violation of this regulation be observed during this period then-
 - i) The permittee may observe once per month.
 - ii) If a violation is noted, monitoring reverts to weekly.
- 3) If the permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

Recordkeeping:

The permittee shall document all readings on Attachment A, or its equivalent, noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
- 2) Whether equipment malfunctions contributed to an exceedance.
- 3) Any violations and any corrective actions undertaken to correct the violation.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

- 1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-6.250 Asbestos Abatement Projects

Certification, Accreditation, and Business Exemption Requirements

This is a State Only permit requirement.

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees.

10 CSR 10-6.280 Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at an installation:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.

- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

40 CFR Part 82 Protection of Stratospheric Ozone (Title VI)

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR §82.106.
 - b) The placement of the required warning statement must comply with the requirements of 40 CFR §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements of 40 CFR §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in 40 CFR §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B of 40 CFR Part 82:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices described in 40 CFR §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment described in 40 CFR §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with the record keeping requirements of 40 CFR §82.166. ("MVAC-like" appliance as defined at 40 CFR §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements contained 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. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

- 5) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR Part 82.*

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued,

Permit Duration

10 CSR 10-6.065(5)(C)1.B, 10 CSR 10-6.065(5)(E)3.C

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed. If a timely and complete application for a permit renewal is submitted, but the Air Pollution Control Program fails to take final action to issue or deny the renewal permit before the end of the term of this permit, this permit shall not expire until the renewal permit is issued or denied.

General Record Keeping and Reporting Requirements

10 CSR 10-6.065(5)(C)1.C

- 1) Record Keeping
 - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
 - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made available within a reasonable period of time to any Missouri Department of Natural Resources' personnel upon request.
- 2) Reporting
 - a) All reports shall be submitted to the Air Pollution Control Program, Compliance and Enforcement Section, P. O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
 - b) The permittee shall submit a report of all required monitoring by:
 - i) October 1st for monitoring which covers the January through June time period, and
 - ii) April 1st for monitoring which covers the July through December time period.
 - c) Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
 - d) Submit supplemental reports as required or as needed. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (5)(C)7.A of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of

emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.

- ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semi-annual report shall be reported on the schedule specified in this permit.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

Risk Management Plan Under Section 112(r)

10 CSR 10-6.065(5)(C)1.D

If the installation is required to develop and register a risk management plan pursuant to Section 112(R) of the Act, the permittee will verify that it has complied with the requirement to register the plan.

Severability Clause

10 CSR 10-6.065(5)(C)1.F

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

General Requirements

10 CSR 10-6.065(5)(C)1.G

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The

permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(5)(C)1.

Incentive Programs Not Requiring Permit Revisions

10 CSR 10-6.065(5)(C)1.H

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

Reasonably Anticipated Operating Scenarios

10 CSR 10-6.065(5)(C)1.I

There are no reasonably anticipated operating scenarios.

Compliance Requirements

10 CSR 10-6.065(5)(C)3

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted semi-annually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
 - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, as well as the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;

- b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
- c) Whether compliance was continuous or intermittent;
- d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
- e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

Permit Shield

10 CSR 10-6.065(5)(C)6

- 1) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
 - a) The applicable requirements are included and specifically identified in this permit, or
 - b) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
- 2) Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
 - a) The provisions of section 303 of the Act or section 643.090, RSMo concerning emergency orders,
 - b) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
 - c) The applicable requirements of the acid rain program,
 - d) The authority of the Environmental Protection Agency and the Air Pollution Control Program of the Missouri Department of Natural Resources to obtain information, or
 - e) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

Emergency Provisions

10 CSR 10-6.065(5)(C)7

- 1) An emergency or upset as defined in 10 CSR 10-6.065(5)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

Operational Flexibility

10 CSR 10-6.065(5)(C)8

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

- 1) Section 502(b)(10) changes. Changes that, under section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), record keeping, reporting or compliance requirements of the permit.
 - a) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the APCP shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the APCP as above at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the APCP as soon as possible after learning of the need to make the change.
 - b) The permit shield shall not apply to these changes.

Off-Permit Changes

10 CSR 10-6.065(5)(C)9

- 1) Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the permit, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
 - b) The permittee must provide contemporaneous written notice of the change to the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219. This notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(5)(B)3 of this rule. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.

- c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
- d) The permit shield shall not apply to these changes.

Responsible Official

10 CSR 10-6.020(2)(R)34

The application utilized in the preparation of this permit was signed by Gary Weitharn, Vice President Manufacturing and Technology. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

Reopening-Permit for Cause

10 CSR 10-6.065(5)(E)6

This permit shall be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MoDNR) receives notice from the Environmental Protection Agency (EPA) that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
- 2) MoDNR or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 3) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if:
 - a) The permit has a remaining term of less than three years;
 - b) The effective date of the requirement is later than the date on which the permit is due to expire;
or
 - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit;
or
- 5) MoDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

Statement of Basis

10 CSR 10-6.065(5)(E)1.C

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.

Attachment B

Method 22 Visible Emissions Observations					
Installation Name			Observer Name		
Location			Date		
Sky Conditions			Wind Direction		
Precipitation			Wind Speed		
Time			Emission unit		
Sketch emission unit: indicate observer position relative to emission unit; indicate potential emission points and/or actual emission points.					
Minute	Seconds				Comments
	0	15	30	45	
	Visible Emissions Yes (Y) or No (N)				
0					
1					
2					
3					
4					
5					
6					

If visible emissions are observed, the installation is not required to complete the entire six-minute observation. The installation shall note when the visible emissions were observed and shall conduct a Method 9 opacity observation.

Attachment C

Method 9 Opacity Observations		
Installation Name:	Sketch of the observer's position relative to the emission unit	
Emission Point:		
Emission Unit:		
Observer Name and Affiliation:		
Observer Certification Date:		
Method 9 Observation Date:		
Height of Emission Point:		
Time:	Start of observations	End of observations
Distance of Observer from Emission Point:		
Observer Direction from Emission Point:		
Approximate Wind Direction:		
Estimated Wind Speed:		
Ambient Temperature:		
Description of Sky Conditions (Presence and color of clouds):		
Plume Color:		
Approximate Distance Plume is Visible from Emission Point:		

Attachment C (continued) Method 9 Opacity Observations

Minute	Seconds				1-minute Avg. % Opacity ¹	6-minute Avg. % Opacity ²	Steam Plume (check if applicable)		Comments
	0	15	30	45			Attached	Detached	
Opacity Readings (% Opacity) ³									
0						N/A			
1						N/A			
2						N/A			
3						N/A			
4						N/A			
5									
6									
7									
8									
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The emission unit is in compliance if each six-minute average opacity is less than or equal to 20 %. Exception: The emission unit is in compliance if one six-minute average opacity is greater than 20%, but less than 60 %.

Was the emission unit in compliance at the time of evaluation (yes or no)?

 Signature of Observer

¹ 1-minute avg. % opacity is the average of the four 15 second opacity readings during the minute.
² 6-minute avg. % opacity is the average of the six most recent 1-minute avg. % opacities.
³ Each 15 second opacity reading shall be recorded to the nearest 5% opacity as stated within Method 9.

STATEMENT OF BASIS

Installation Description

DairiConcepts, L.P. operates a food-processing plant in El Dorado Springs, Missouri. The installation produces various dried dairy products. Processes include two boilers, three blending operations, three spray dryers, three fuel oil storage tanks and packaging lines. The installation is a major source of PM₁₀ emissions.

The installation has recently removed the ability of its boilers to burn fuel oil. It is not on the list of named sources and fugitives are not counted towards potential-to-emit calculations.

Updated Potential to Emit for the Installation and Reported Air Pollutant Emissions, in tons per year

Pollutants	Potential Emissions ¹	Reported Emissions				
		2017	2016	2015	2014	2013
Particulate Matter ≤ Ten Microns (PM ₁₀)	284.89	46.40	44.13	43.73	43.83	41.53
Particulate Matter ≤ 2.5 Microns (PM _{2.5})	277.44	46.40	44.12	43.73	43.83	41.53
Sulfur Oxides (SO _x)	0.27	0.07	0.07	0.07	0.08	0.07
Nitrogen Oxides (NO _x)	39.77	9.10	8.86	9.00	9.42	8.67
Volatile Organic Compounds (VOC)	2.51	0.67	0.66	0.67	0.69	0.65
Carbon Monoxide (CO)	38.41	10.18	10.14	10.26	10.63	9.90
Hazardous Air Pollutants (HAPs)	0.44	0.00	0.00	0.00	0.00	0.00

¹Each emission unit was evaluated at 8,760 hours of uncontrolled annual operation unless otherwise noted.

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Part 70 Operating Permit Application, received July 10, 2017;
- 2) 2017 Emissions Inventory Questionnaire, received March 21, 2017;
- 3) Construction Permit #032000-004 Issued January 31, 2000
- 4) Construction Permit #122002-007 Issued November 7, 2001
- 5) WebFIRE; and
- 6) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

There are no applicable requirements included in the operating permit that were not already in the application or in previous operating permits.

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100, *Alternate Emission Limits*

This rule is not applicable because the installation is in an ozone attainment area.

10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds* – all combustion equipment at the installation uses pipeline grade natural gas and is exempt from this rule.

10 CSR 10-6.261, *Control of Sulfur Dioxide Emissions* – all combustion equipment at the installation uses pipeline grade natural gas and is exempt from this rule.

10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes* – all units are exempt under (1)(B)6 or (1)(B)15.

Construction Permit History

- 1) Construction Permit 032000-004, Issued January 31, 2000 - This construction permit was issued for the replacement of a Therminol hot oil heating system for a spray dryer with a direct-fired natural gas burning system. This permit contains special conditions that are included in this operating permit in Permit Condition 2. Special Condition 2 states that the permittee "...shall monitor and record the operating pressure drop across the *baghouse*..." However, this statement should read "...shall monitor and record the operating pressure drop across the *scrubber*..." because Special Condition 1 required that a wet venturi scrubber, not a baghouse, be installed and operated at all times the dryer is in use.
- 2) Construction Permit 012002-007, Issued November 7, 2001 - This construction permit was issued for the installation of two new blenders, two new dryers, and product coolers. This permit contains special conditions that appear in this operating permit in Permit Condition 3.

New Source Performance Standards (NSPS) Applicability

40 CFR Part 60 Subpart K, Ka, and Kb *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978; After May 18, 1978, and Prior to July 23, 1984; or After July 23, 1984* – All three fuel oil storage vessels were removed.

Maximum Achievable Control Technology (MACT) Applicability

40 CFR Part 63 Subpart JJJJJ, *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers at Area Sources*- This rule does not apply to EP1 or EP9 because these boilers combust only natural gas.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None

Compliance Assurance Monitoring (CAM) Applicability

40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

The CAM rule applies to each pollutant specific emission unit that:

- Is subject to an emission limitation or standard, and
- Uses a control device to achieve compliance, and
- Has pre-control emissions that exceed or are equivalent to the major source threshold.

40 CFR Part 64 is not applicable because none of the pollutant-specific emission units are subject to an emission limitation or standard.

Other Regulatory Determinations

None

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1. The specific pollutant regulated by that rule is not emitted by the installation;
2. The installation is not in the source category regulated by that rule;
3. The installation is not in the county or specific area that is regulated under the authority of that rule;
4. The installation does not contain the type of emission unit which is regulated by that rule;
5. The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the APCP's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Response to Public Comments

The draft Part 70 Operating Permit for DairiConcepts, L.P. was placed on public notice May 17, 2019 for a 30-day comment period. The public notice was published on the Department of Natural Resources' Air Pollution Control Program's web page at: <https://dnr.mo.gov/env/apcp/permit-publicnotices.htm>. No public comments were received during the public comment period.

Response to Comments Received During EPA's 45-day Review Period

EPA notes that Permit Conditions 1, 2, and 3 all require the permittee to monitor and record both the pressure drop and the liquid flow rate across the PM₁₀ control devices. However, the Operational Limitations in each of these three permit conditions require the permittee to equip each control device with a gauge or meter that indicates the pressure drop across the control device; however there is no operation limitation requirement for the permittee to equip each of the control devices with a liquid flow meter.

Response:

The permittee currently monitors water usage indirectly; the scrubbers get the water from pumps that push the water through the scrubber nozzles. There are pressure gauges on these pumps, and the

permittee uses that data together with the pump curves to determine the water flow rate in gallons per minute. The scrubbers utilize a tank of water for supply that uses a float to determine when to fill the tank. If the water level drops below 20% the dryers are shut down. A requirement has been added to Permit Conditions 1, 2 and 3 such that the permittee is required to install water flow meters in lieu of the present system of indirectly measuring water flow rates using the pump curves together with water pressure readings. After discussion with the plant contact, it was agreed that the installation of the water flow meters would be done during the regularly scheduled plant maintenance shutdown in October of 2020; the plant can of course install the water flow meters in advance of that timeframe if it wishes. The advantage of this schedule is that the plant can install the water flow meters without shutting the plant down, and can plan the installation to best accomplish the goal of accurate monitoring of the water flow through the scrubbers.