



April 22, 2021

CHRIS RICHISON
PLANT MANAGER
MICHAEL FOODS INC
1260 HIGHWAY 18
BRITT IA 50423

Subject: Air Quality Inspection
Facility No. 41-01-005

Dear Mr. Richison:

Mr. David Knoll, Environmental Specialist with this office, conducted an air quality inspection of the above referenced facility on April 16, 2021. A field inspection report was completed and is enclosed for your file. Equipment and control equipment were evaluated for compliance with air quality regulations.

The emission points were determined to be in compliance with applicable air quality regulations at the time of inspection. Please review the comments in the enclosed report to aid in continued compliance.

Please be aware that construction permits may be needed for new, altered or modified equipment or control equipment, which emit pollutants to the atmosphere. You are also required to notify the DNR of any existing equipment at your facility that is not listed on the enclosed report. This equipment or control equipment may require an as-built permit(s) from the DNR.

Should you have questions regarding this inspection or other matters, please feel free to contact Mr. Knoll at david.knoll@dnr.iowa.gov or 641-903-1985.

Sincerely,

FIELD SERVICES AND COMPLIANCE BUREAU

A handwritten signature in black ink, appearing to read 'Trent Lambert'.

Trent Lambert
Field Office Supervisor

TL/dk
Enclosure - Air Quality Inspection Report

c: Air Quality Bureau (w/encl.)
Chris Weldon, Michael Foods, (electronic: chris.weldon@michaelfoods.com)

**IOWA DEPARTMENT OF NATURAL RESOURCES
 ENVIRONMENTAL PROTECTION DIVISION
 AIR QUALITY COMPLIANCE INSPECTION
 FIELD OFFICE # 2**

FACILITY # 41-01-005

OPERATING PERMIT # NA

Company Name: Michael Foods, Inc.
Company Address: 1260 Highway 18, Britt, IA 50423
Plant Address: 1260 Highway 18, Britt, IA 50423
Process and/or Product Type: Egg Processing & Drying

Facility Classification: Title V SM 80 SM Minor

Deficiencies Noted During Inspection: Yes No

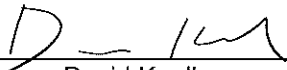
EP	EP Description	Permit	Deficiency	FRV*
			None.	Yes <input type="checkbox"/> No <input type="checkbox"/>
				Yes <input type="checkbox"/> No <input type="checkbox"/>
				Yes <input type="checkbox"/> No <input type="checkbox"/>
				Yes <input type="checkbox"/> No <input type="checkbox"/>

* A Federally Reportable Violation (FRV) is a violation that indicates failure to comply with emission limits and certain procedural violations at a Title V or SM 80 facility.


Inspection Type Routine
Inspection Date 4/16/2021
Time Arrive 9:00 AM
Wind Speed & Direction N 9 MPH
Weather Conditions Mostly Cloudy
Inspection status Complete
Time Depart 10:30 AM

Persons Contacted: Chris Weldon - Environmental Specialist

Phone: 952-258-4080
952-292-4430

Inspector's Signature: 
 David Knoll

Date: 4/21/2021

Division Approval By: 
 David Miller

Date: 21APR21

AIR QUALITY INSPECTION
EMISSION POINT - SPECIFIC CONDITIONS - Page 1

FACILITY NAME: **Michael Foods, Inc.**
 FACILITY NUMBER: **41-01-005**
 INSPECTION DATE: **4/16/2021**

<p><i>Egg Spray Dryer #1</i></p> <p>Emission Point ID Number: EU EV-01 Permit: 10-A-079</p> <p>Control Equipment: Baghouse</p> <p>Operating Status: Not Operating Opacity: NA</p>	<p style="text-align: center;">In Compliance</p>	<p style="text-align: center;">Out of Compliance (Comments)</p>	<p style="text-align: center;">Not Applicable or Unable to Evaluate</p>												
<p><u>Emission Limits</u></p> <p>Pollutant: Particulate Matter (PM) Emission Limit(s): 2.3 lb/hr; 0.1 gr/dscf Authority for Requirement: 567 IAC 23.3(2)"a" Construction Permit 10-A-079</p> <p>Pollutant: PM₁₀ Emission Limit(s): 2.3 lb/hr Authority for Requirement: NAAQS Construction Permit 10-A-079</p> <p>Pollutant: Opacity Emission Limit(s): 40 % Authority for Requirement: 567 IAC 23.3(2)"d" Construction Permit 10-A-079</p> <p>An exceedance of the indicator opacity of 10% will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).</p> <p>Comments: <i>Dryer #1, which the facility refers to as Dryer B, operates infrequently. Facility staff stated this dryer only operated about 5 times in the past 6 months or so.</i></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p> <p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input checked="" type="checkbox"/></p> <p style="text-align: center;"><input checked="" type="checkbox"/></p> <p style="text-align: center;"><input checked="" type="checkbox"/></p>												
<p><u>Emission Point Characteristics</u></p> <p>This emission point shall conform to the specifications listed below:</p> <table border="0"> <thead> <tr> <th style="text-align: left;">Parameter</th> <th style="text-align: left;">Value</th> </tr> </thead> <tbody> <tr> <td>Stack Height, (ft, from the ground)</td> <td>60.7</td> </tr> <tr> <td>Discharge Style</td> <td>Vertical with Rain Cap</td> </tr> <tr> <td>Stack Opening, (inches, dia.)</td> <td>38</td> </tr> <tr> <td>Exhaust Temperature (°F)</td> <td>106</td> </tr> <tr> <td>Exhaust Flowrate (scfm)</td> <td>27,500</td> </tr> </tbody> </table> <p>The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.</p> <p>Comments: <i>The stack appeared to be in general conformance with the permit specifications.</i></p>	Parameter	Value	Stack Height, (ft, from the ground)	60.7	Discharge Style	Vertical with Rain Cap	Stack Opening, (inches, dia.)	38	Exhaust Temperature (°F)	106	Exhaust Flowrate (scfm)	27,500	<p style="text-align: center;"><input checked="" type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p>	<p style="text-align: center;"><input type="checkbox"/></p>
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AIR QUALITY INSPECTION
EMISSION POINT - SPECIFIC CONDITIONS - Page 2

<i>Egg Spray Dryer #1</i> Emission Point ID Number: EU EV-01 Permit: 10-A-079 Control Equipment: Baghouse Operating Status: Not Operating Opacity: NA	In Compliance	Out of Compliance (Comments)	Not Applicable or Unable to Evaluate
<u>Operating Limits</u> Operating limits for this emission unit shall be: A. The permittee shall operate and maintain the bag filter in accordance with the recommendation of the manufacturer. <i>Comments: The bag filter is operated whenever the dryer is in operation and is routinely maintained.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Operating Condition Monitoring</u> All records as required by this permit shall be kept on-site for a minimum of two (2) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following: A. The permittee shall maintain records on the maintenance performed on the bag filter. <i>Comments: Records were provided demonstrating compliance. A preventative maintenance program on the baghouses at the facility is in place. The bags are changed every 6 months.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

AIR QUALITY INSPECTION
EMISSION POINT - SPECIFIC CONDITIONS - Page 4

<p>Egg Spray Dryer #2</p> <p>Emission Point ID Number: EP-02 Permit: 14-A-001</p> <p>Control Equipment: Baghouse (CE-02)</p> <p>Operating Status: Not Operating Opacity: NA</p>	<p style="text-align: center;">In Compliance</p>	<p style="text-align: center;">Out of Compliance (Comments)</p>	<p style="text-align: center;">Not Applicable or Unable to Evaluate</p>
<p><u>Operating Limits</u> Operating limits for this emission unit shall be:</p> <ul style="list-style-type: none"> A. This emission point shall be limited to combusting natural gas only. <input checked="" type="checkbox"/> B. The facility is limited to drying a maximum of 8,000 lbs/hr of liquid eggs. <input checked="" type="checkbox"/> C. The operator shall operate, inspect and maintain the control equipment according to the manufacturer's specifications. <input checked="" type="checkbox"/> <p>Comments: <i>Records showed maximum throughput during the review period was 6,185 lbs/hr in September, 2020. Facility staff stated exceeding the permit limit would not be possible based on the maximum capacities of the production equipment.</i></p>			
<p><u>Operating Condition Monitoring</u> All records as required by this permit shall be kept on-site for a minimum of two (2) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:</p> <ul style="list-style-type: none"> A. The operator shall maintain records of the amount of natural gas burned in this dryer <input checked="" type="checkbox"/> B. The operator shall maintain records of the amounts of liquid eggs dried on an hourly basis. <input checked="" type="checkbox"/> <p>Comments: <i>Records demonstrating compliance were reviewed. The facility calculates the pounds of liquid eggs dried based on final production numbers and known values of liquid weight vs. the dried weight of the products produced.</i></p> <p><i>A preventative maintenance program on the baghouses at the facility is in place. The bags are changed every 6 months. The bags were in the process of being replaced at the time of inspection.</i></p>			

AIR QUALITY INSPECTION
EMISSION POINT - SPECIFIC CONDITIONS - Page 6

<p>Natural Gas Boiler</p> <p>Emission Point ID Number: EP-03 Permit: 14-A-002</p> <p>Control Equipment: None</p> <p>Operating Status: Not Operating Opacity: NA</p>	<p>In Compliance</p>	<p>Out of Compliance (Comments)</p>	<p>Not Applicable or Unable to Evaluate</p>
<p>Comments: <i>Natural gas is the only fuel source used.</i></p>			
<p><u>Operating Condition Monitoring</u> All records as required by this permit shall be kept on-site for a minimum of two (2) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:</p> <p>A. The operator shall maintain one of the following fuel records:</p> <ul style="list-style-type: none"> • Amount of fuel combusted during each operating day • Amount of fuel combusted during each calendar month • Amount of fuel delivered to the property each calendar month <p>Comments: <i>The facility was considering installing a separate meter for the boiler. The amount of fuel delivered to the property each calendar month is tracked and recorded.</i></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>