



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
Curt Fransen, Director

February 5, 2015

William McMurtry, VP, Environmental Affairs
Darling Ingredients Inc.
251 O'Connor Ridge Blvd, Suite 300
Irving, TX 75038

RE: Facility ID No. 001-00108, Darling Ingredients Inc., Kuna
Final Permit Letter

Dear Mr. McMurtry:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2015.0004 project 61470 to Darling Ingredients Inc. located at Kuna for a facility name change. This PTC is issued in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho) and is based on the certified information provided in your PTC application received January 12, 2015.

This permit is effective immediately and replaces PTC No. P-060003, issued on October 4, 2006. This permit does not release Darling Ingredients Inc. from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

In order to fully understand the compliance requirements of this permit, DEQ recommends that you schedule a meeting with Tom Krinke, AQ Compliance Officer, at (208) 373-0419 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends that the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Shawnee Chen at (208) 373-0502 or Shawnee.chen@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink that reads "Mike Simon".

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\SYC

Permit No. P-2015.0004 PROJ 61470

Enclosures

Air Quality

PERMIT TO CONSTRUCT

Permittee Darling Ingredients Inc.
Permit Number P-2015.0004
Project ID 61470
Facility ID 001-00108
Facility Location 18305 S. Cole Road
Kuna, ID 83634

Permit Authority

This permit (a) is issued according to the “Rules for the Control of Air Pollution in Idaho” (Rules), IDAPA 58.01.01.200–228; (b) pertains only to emissions of air contaminants regulated by the State of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with the application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; and (g) in no manner implies or suggests that the Idaho Department of Environmental Quality (DEQ) or its officers, agents, or employees assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment, or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200–228.

Date Issued February 5, 2015



Shawnee Chen, P.E., Permit Writer



Mike Simon, Stationary Source Manager

Contents

1	Permit Scope.....	3
2	Superior Boiler.....	4
3	Kewanee Boiler	6
4	Appendix.....	7
5	General Provisions.....	8

1 Permit Scope

Purpose

- 1.1 This is a revised permit to construct (PTC) for a facility name change.
- 1.2 This PTC replaces Permit to Construct No. P-060003, issued on October 4, 2006.

Regulated Sources

Table 1.1 lists all sources of regulated emissions in this permit.

Table 1.1. Regulated sources.

Permit Section	Source	Control Equipment
2	Superior Boiler Manufacturer: Superior Boiler Works Model: 6-X-5000-5150-1CCF-GA-2 boiler Heat input rate: 41.84 MMBtu/hr Fuel: natural gas, No. 2 fuel oil, yellow grease or tallow.	None
3	Kewanee Boiler Manufacturer: Kewanee Boiler Corporation Heat input rate: 31.38 MMBtu/hr. Fuel: natural gas fired	None

2 SUPERIOR BOILER

2.1 Process Description

The Superior boiler provides steam to the various processes throughout the facility. The boiler is rated at 41.84 MMBtu/hr of heat input and can be fired on natural gas, No. 2 fuel oil, yellow grease and tallow.

2.2 Control Device Descriptions

No control device is used. Refer to Table 1.1 for emissions unit description.

Emission Limits

2.3 Emission Limits

The PM, PM₁₀, SO₂, NO_x, and CO emissions from the Superior boiler stack shall not exceed any corresponding emissions rate limits listed in the Appendix.

2.4 Opacity Limit

Emissions from the Superior boiler stack, or any other stack, vent, or functionally equivalent opening associated with the Superior boiler, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

2.5 Grain Loading Limits

In accordance with IDAPA 58.01.01.676, the permittee shall not discharge to the atmosphere from any fuel-burning equipment with a maximum rated input of 10 MMBtu/hr or more, and commencing operation on or after October 1, 1979, PM in excess of 0.015 gr/dscf when burning gas or 0.050 gr/dscf when burning No. 2 fuel oil, yellow grease or tallow, both standards of which shall be corrected to 3% oxygen.

Operating Requirements

2.6 Fuel Type

The Superior boiler shall burn only natural gas, No. 2 distillate fuel oil, yellow grease, or tallow.

2.7 Fuel Sulfur Content

In accordance with IDAPA 58.01.01.728, the permittee shall not sell, distribute, use or make available for use, any distillate fuel oil containing more than 0.5 percent by weight of sulfur.

2.8 Burner Capacity

The maximum burner capacity for the Superior boiler shall not exceed 42 MMBtu/hr.

2.9 Air Pollution Emergency Rule

The permittee shall comply with the Air Pollution Emergency Rule in IDAPA 58.01.01.550-562.

2.10 Odor Management Plan

By December 3, 2006, the permittee shall submit to the DEQ for approval an Odor Management Plan for the boiler while burning grease and tallow.

Monitoring and Recordkeeping Requirements

2.11 Fuel Use

The permittee shall maintain records of the amounts of each fuel combusted during each day of operation in accordance with 40 CFR 60.48c(g). The records shall be kept onsite and shall be made available to DEQ representatives upon request.

40 CFR 63, Subpart JJJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

2.12 The permittee shall comply with 40 CFR 63, Subpart JJJJJJ for the Superior boiler.

3 KEWANEE BOILER

3.1 Process Description

The Kewanee boiler is only operated when the Superior boiler is not in operation. The boiler provides steam to the various processes throughout the facility. The boiler is rated at 31.38 MMBtu/hr of heat input and is fired on natural gas exclusively.

3.2 Control Device Descriptions

No control device is used. Refer to Table 1.1 for emissions unit description.

Emission Limits

3.3 Emission Limits

The PM, PM₁₀, SO₂, NO_x, and CO emissions from the Kewanee boiler stack shall not exceed any corresponding emissions rate limits listed in the Appendix.

3.4 Opacity Limit

Emissions from the Kewanee boiler stack, or any other stack, vent, or functionally equivalent opening associated with the Kewanee boiler, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

3.5 Grain Loading Limits

The permittee shall not discharge to the atmosphere from any fuel-burning equipment with a maximum rated input of 10 MMBtu/hr or more, and commencing operation prior to October 1, 1979, PM in excess of 0.015 gr/dscf, corrected to 3% oxygen, when burning natural gas.

Operating Requirements

3.6 Air Pollution Emergency Rule

The permittee shall comply with the Air Pollution Emergency Rule in IDAPA 58.01.01.550-562.

3.7 Fuel Type

The Kewanee boiler shall burn natural gas exclusively.

3.8 Simultaneous Boiler Operation

The Kewanee boiler and the Superior boiler shall not be operated simultaneously.

Monitoring and Recordkeeping Requirements

3.9 Days of Operation

The permittee shall monitor and record the time and date the Superior boiler ceases operation and the time and date the Kewanee boiler begins operation. The records shall be kept onsite and shall be made available to DEQ representatives upon request.

4 APPENDIX

Darling Ingredients Inc. Emission limits.

Source Description	PM		PM ₁₀ ^(b)		SO ₂		NO _x		CO	
	lb/hr ^(c)	T/yr ^(d)	lb/hr ^(c)	T/yr ^(d)	lb/hr ^(c)	T/yr ^(d)	lb/hr ^(c)	T/yr ^(d)	lb/hr ^(c)	T/yr ^(d)
Superior and Kewanee Boilers (combined)	2.02	8.8	2.02	8.8	2.5	10.9	7.36	32.2	14.7	64.4

- a In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157, EPA reference test method, continuous emission monitoring system (CEMS) data, or DEQ-approved alternative.
- d Tons per any consecutive 12-calendar month period. As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

5 General Provisions

General Compliance

5.1 The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the “Rules for the Control of Air Pollution in Idaho.” The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit, the “Rules for the Control of Air Pollution in Idaho,” and the Environmental Protection and Health Act (Idaho Code §39-101, et seq.)

[Idaho Code §39-101, et seq.]

5.2 The permittee shall at all times (except as provided in the “Rules for the Control of Air Pollution in Idaho”) maintain in good working order and operate as efficiently as practicable all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211, 5/1/94]

5.3 Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules, and regulations.

[IDAPA 58.01.01.212.01, 5/1/94]

Inspection and Entry

5.4 Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:

- Enter upon the permittee’s premises where an emissions source is located, emissions-related activity is conducted, or where records are kept under conditions of this permit;
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
- Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

Construction and Operation Notification

5.5 This permit shall expire if construction has not begun within two years of its issue date, or if construction is suspended for one year.

[IDAPA 58.01.01.211.02, 5/1/94]

5.6 The permittee shall furnish DEQ written notifications as follows:

- A notification of the date of initiation of construction, within five working days after occurrence; except in the case where pre-permit construction approval has been granted then notification shall be made within five working days after occurrence or within five working days after permit issuance whichever is later;
- A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

- A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date; and
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.03, 5/1/94]

Performance Testing

- 5.7** If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.
- 5.8** All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.
- 5.9** Within **30 days, or up to 60 days when requested** following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

Monitoring and Recordkeeping

- 5.10** The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Monitoring records shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records 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. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

Excess Emissions

- 5.11 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130–136 for excess emissions due to start-up, shut-down, scheduled maintenance, safety measures, upsets, and breakdowns.

[IDAPA 58.01.01.130–136, 4/5/00]

Certification

- 5.12 All documents submitted to DEQ—including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification—shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123, 5/1/94]

False Statements

- 5.13 No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

Tampering

- 5.14 No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

Transferability

- 5.15 This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

Severability

- 5.16 The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

[IDAPA 58.01.01.211, 5/1/94]