



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 N Hilton Street, Boise, ID 83706  
(208) 373-0502

Brad Little, Governor  
Jess Byrne, Director

March 1, 2021

Shawn Burton, Chief Operating Officer  
High Desert Milk, Inc.  
1051 Hansen Avenue  
Burley, Idaho 83318

RE: Facility ID No. 031-00034, High Desert Milk, Inc., Burley  
Final Permit Letter

Dear Mr. Burton:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2008.0050 Project 62468 to High Desert Milk, Inc. located in Burley for the addition of a milk dryer and production line. 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 June 22, 2020. This permit is effective immediately and replaces PTC No. P-2008.0050 issued on June 3, 2008. This permit does not release High Desert Milk, Inc. from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

In accordance with IDAPA 58.01.01.313.01.b, High Desert Milk, Inc. shall submit a complete application to DEQ for an initial Tier I operating permit within 12 months of becoming a Tier I source or commencing operation. Pursuant to the Construction and Operation Notification General Provision of your permit, it is required that construction and operation notification be provided. Please provide this information as listed to DEQ's Twin Falls Regional Office, 650 Addison Avenue West, Suite 110, Twin Falls, Idaho 83301, Fax (208) 736-2194.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a permit handoff meeting with Bobby Dye, Regional Manager, Air Quality and Remediation Manager, at (208) 736-2190 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 Morrie Lewis (208) 373-0502 or [Morrie.Lewis@deq.idaho.gov](mailto:Morrie.Lewis@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 Bureau Chief  
Air Quality Division

MS\ml  
Permit No. P-2008.0050 PROJ 62468  
Enclosures

# Air Quality

## PERMIT TO CONSTRUCT

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**Permittee** High Desert Milk, Inc.  
**Permit Number** P-2008.0050  
**Project ID** 62468  
**Facility ID** 031-00034  
**Facility Location** 1033 Idaho Avenue  
Burley, ID 83318

### 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** March 1, 2021



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Morrie Lewis, Permit Writer



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Mike Simon, Stationary Source Bureau Chief

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# 1 Permit Scope

## Purpose

- 1.1 This is a modified permit to construct (PTC) to install and operate an additional production line. Process equipment added includes the Dryer 2 and associated heater, the Powder Silo 2, and the Hopper Vacuum Receiver.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by the permit issue date citation located directly under the permit condition and on the right-hand margin.
- 1.3 This PTC replaces Permit to Construct No. P-2008.0050 issued on June 3, 2008.

## Regulated Sources

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

**Table 1.1 Regulated Sources**

Permit Section	Source	Control Equipment (Emission Point)
2	<u>Dryer 1 and associated heater</u> Emissions Unit Name: Skim Milk Dryer (P101) Manufacturer: C/E/Rogers Burner: Maxon Model: Crossfire Low NO <sub>x</sub> Line Burner Max Capacity: 32.5 MMBtu/hr Operation: 8,760 hr/yr Fuel: natural gas	Dryer 1 Baghouses (P101A & P101B)
2	<u>Dryer 2 and associated heater</u> Emissions Unit Name: Skim Milk Dryer (DRYER2) Manufacturer: Relco Burner: Maxon (DRYER2HT) Model: Low NO <sub>x</sub> Max Capacity: 26.0 MMBtu/hr Operation: 8,760 hr/yr Fuel: natural gas	Dryer 2 Baghouse (DRYER2)  None (DRYER2HT)
3	<u>Boiler 1</u> Manufacturer: Superior Boiler Works Model: 4000 Maximum capacity: 33.48 MMBtu/hr Operation: 8,760 hr/yr Fuel: natural gas	None (P104)
3	<u>Boiler 2</u> Manufacturer: Superior Boiler Works Model: 4000 Maximum capacity: 33.48 MMBtu/hr Operation: 8,760 hr/yr Fuel: natural gas	None (P105)
4	<u>Fluid Bed</u> Manufacturer: C/E/Rogers Maximum capacity: 9,000 lb/hr	<u>Fluid Bed Baghouse (P102)</u> Manufacturer: C/E/Rogers Control Efficiency: PM/PM <sub>10</sub> : 99.93%
4	<u>Powder Silo 1</u> Manufacturer: C/E/Rogers	Powder Handling Baghouse (P103B) Manufacturer: C/E/Rogers Control Efficiency: 98.4 % for PM/PM <sub>10</sub>
4	<u>Powder Silo 2</u> Manufacturer: Relco Model: Three, operated one at a time	<u>Powder Silo Baghouse (POWDSILO)</u> Manufacturer: Relco Control Efficiency: 99.0 % or better for PM/PM <sub>10</sub>

**Table 1.1 Regulated Sources**

<b>Permit Section</b>	<b>Source</b>	<b>Control Equipment (Emission Point)</b>
4	Hopper Vacuum Receivers	<u>Hopper Vacuum Receiver Baghouses (VACRCV)</u> Manufacturer: Relco Control Efficiency: 99.0 % or better for PM/PM <sub>10</sub>
5	<u>Emergency Generator</u> Manufacturer: Cummins Model: QST30-G5 Max Capacity: 1490 HP Displacement: 2.55 liters/cylinder Ignition: compression Fuel: diesel	None

[3/01/2021]

**Tier I Source**

**1.5 Commencing Operation Notification**

In accordance with IDAPA 58.01.01.314.06, the permittee shall notify DEQ in writing the date upon which the Tier I source (Dryer 2) commences operation. The notification shall be titled, “TIER I SOURCE NOTIFICATION OF COMMENCING OPERATION,” and shall include the name of the permittee, the permit and project numbers, the date the permit was issued, and the date the Tier I source commences operation. The notification shall be submitted to DEQ within five (5) days of commencing operation and shall be sent to:

Air Quality Permitting  
Idaho Department of Environmental Quality  
1410 N. Hilton  
Boise, ID 83706-1255

[3/01/2021]

**1.6 Tier I Operating Permit**

In accordance with IDAPA 58.01.01.313.01.b, the permittee shall submit a complete application to DEQ for an initial Tier I operating permit within 12 months of becoming a Tier I source or commencing operation.

[3/01/2021]

**Incorporation of Federal Requirements by Reference**

**1.7** Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 shall constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- Standards of Performance for New Stationary Sources (NSPS) 40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
- NSPS 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

The permittee shall comply with all applicable NSPS and NESHAP requirements. For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS or NESHAP), should there be any conflict

between the requirements of the permit condition and the requirements of the document, the requirements of the document shall govern, including any amendments to that regulation.

[3/01/2021]

## 2 Dryers

### 2.1 Process Description

The facility processes up to 5 million pounds of raw milk received by tanker truck per day, producing sweet cream, skim milk, and dried milk products. Milk will be processed in the natural gas-fired dryers to prepare dried milk products. Natural gas combustion products are exhausted through the baghouse stacks for Dryer 1, and are exhausted separately for Dryer 2. For each dryer, particulate emissions are split between two cyclone-and-baghouse sets in series (i.e., two sets per dryer) to recover milk powder products (including MPC70, MP80, and MPI). Emissions are recombined and exhausted in a single stack for Dryer 2, and are exhausted in separate stacks for Dryer 1. Product collected in the cyclones and baghouses is diverted to the fluid bed.

In one production line, the dried solids will be cooled in the fluid bed. Exhaust air from the fluid bed will pass through a baghouse (P102) and then be discharged. The powder from the fluid bed cooler will drop through an airlock, through a rotary sifter, and onto a conveyor for transfer to a storage silo. Exhaust from the silos passes through a baghouse (P103B) and then discharge to the atmosphere.

In a second production line, the operating receiver delivers powder via dense phase to one of three powder handling silos (filling one at a time). Exhaust from the operating silo passes through a baghouse (POWDSILO) and then discharges to the atmosphere through a common 6-inch diameter vent. Powder from the silos is then transported with a vacuum dense phase transport system to the sifter accumulation hopper. The sifter accumulation hopper has two vacuum receivers. Exhaust from the operating vacuum receiver passes through a baghouse (VACRCV) and then discharges to the atmosphere through the common 6-inch diameter vent. Only one vacuum receiver is running at a given time (cycle back and forth).

Milk powder products stored in the silos are packaged and shipped off-site.

[3/01/2021]

### 2.2 Control Device Descriptions

Table 2.1 Dryer Control Device Descriptions

Emissions Units / Processes	Control Devices	Emission Points
Dryer 1	Dryer 1 Baghouses	Dryer 1 baghouse stacks
Dryer 2	Dryer 2 Baghouse and none (Dryer 2 Heater)	Dryer 2 Baghouse stack Dryer 2 Heater stack

[3/01/2021]

## Emissions Limits

### 2.3 Dryer Emissions Limits

The emissions from each dryer stack shall not exceed any corresponding emissions rate limit listed in the following table. All drying process and associated dryer heater emissions shall be ducted to the corresponding dedicated stack(s) at all times.

**Table 2.2 Dryer Emission Limits<sup>(a)</sup>**

Source Description	PM <sub>2.5</sub> <sup>(b)</sup>		PM <sub>10</sub> <sup>(c)</sup>		NO <sub>x</sub>		CO	
	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>
Dryer 1 and associated heater stacks (P101A & P101B) <sup>(f)</sup>	4.60	20.15	4.60	20.15	1.46	6.42	11.90	52.20
Dryer 2 stack (DRYER2)	8.82	38.63	8.82	38.63				
Dryer 2 heater stack (DRYER2HT)	0.20	0.87	0.20	0.87	1.57	6.88	20.98	91.89

- a) In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b) Particulate matter (PM) with an aerodynamic diameter less than or equal to a nominal two point five (2.5) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c) PM 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.
- d) 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.
- e) Tons per any consecutive 12-calendar month period.
- f) Each emission limit for Dryer 1 is for the total emissions measured from both stacks (P101A and P101B, combined).

[3/01/2021]

## 2.4 Process Weight-Based Particulate Matter Emissions Limits

The permittee shall not emit PM to the atmosphere from any process or process equipment in excess of the amount shown by the equations in IDAPA 58.01.01.700-703.

[3/01/2021]

## 2.5 Opacity Limit

Emissions from each dryer stack, or any other stack, vent, or functionally equivalent opening associated with a dryer 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.

[3/01/2021]

## Operating Requirements

### 2.6 Fuel type

The dryer heaters shall be fired on natural gas only.

[3/01/2021]

### 2.7 O&M Manual

Within 60 days after permit issuance, the permittee shall have developed an Operation and Maintenance (O&M) manual for the baghouses, which describes the procedures that will be followed to comply with control device maintenance and operation requirements (General Provision 6.2) and the manufacturer specifications for the baghouse. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request. Any changes to the O&M shall be submitted to DEQ for review and comment within 15 days of the change. The permittee shall operate control equipment in accordance with the O&M manual at all times. The requirements in the O&M manual shall be incorporated by reference to this permit and shall be enforceable permit conditions. At a minimum, the O&M manual shall include the following for each baghouse (Table 1.1):

- Minimum pressure drop across each baghouse



[3/01/2021]

## **2.8 Baghouse Pressure Drop**

The permittee shall install, calibrate, operate, and maintain pressure drop monitoring devices to continuously measure the pressure drop across each baghouse listed in the dryer control device descriptions (Table 2.1). The pressure drop across each baghouse shall be maintained within manufacturer's and O&M Manual specifications.

## **2.9 Throughput limit**

The permittee shall not process more than a combined 5.0 million pounds of raw milk per day (2500 T/day) in the dryers.

[3/01/2021]

## **Monitoring and Recordkeeping Requirements**

### **2.10 Baghouse Pressure Drop Monitoring**

The permittee shall monitor and record the pressure drop of each baghouse daily and conduct quarterly baghouse inspections. The records shall include at a minimum the date of each inspection, description of the structural integrity of the bags/filters, and a description of any maintenance or corrective action performed. Records of this information shall be maintained in accordance with monitoring and recordkeeping requirements (General Provision 6.10).

[3/01/2021]

### **2.11 Throughput Monitoring and Record Keeping**

The permittee shall monitor and record the amount of milk processed by each dryer daily to demonstrate compliance with the throughput limit. The amount of raw milk processed shall be recorded in pounds per day. Records of this information shall be maintained in accordance with general provisions.

[3/01/2021]

## **Performance Testing Requirements**

### **2.12 Dryer Tests**

Within 180 days after dryer startup, the permittee shall conduct a performance test to measure PM<sub>2.5</sub> and PM<sub>10</sub> emissions from each dryer stack to demonstrate compliance with the corresponding PM<sub>2.5</sub> and PM<sub>10</sub> emission limits in the Dryer Emissions Limits condition (Permit Condition 2.3). The PM<sub>2.5</sub> and PM<sub>10</sub> emission tests shall be conducted in accordance with the procedures outlined in 40 CFR 60, Appendix A, Methods 5 and 202, or Methods 201A and 202, or a DEQ-approved alternative. Emissions from dryer stacks P101A and P101B shall be measured concurrently. During each test, the dryer shall be operated at the worst-case normal production rate, in accordance with IDAPA 58.01.01.157 and performance testing requirements (General Provisions 6.7–6.9). A description of how this requirement was met shall be included in each performance test report.

Subsequent testing shall be performed according to the following schedule:

- If the dryer emission rate measured in the most recent test is less than or equal to 75% of the corresponding dryer emission limit (Permit Condition 2.3), the next test shall be conducted within five years of the test date.
- If the dryer emission rate measured during the most recent performance test is greater than 75% but less than or equal to 90% of the corresponding dryer emission limit (Permit Condition 2.3), the next test shall be conducted within two years of the test date.

- If the dryer emission rate measured during the most recent performance test is greater than 90% of the corresponding dryer emission limit (Permit Condition 2.3), the next test shall be conducted within one year of the test date.

[3/01/2021]

### **2.13 Dryer Tests Monitoring**

The permittee shall monitor and record the following during each test:

- The visible emissions observed for the stack tested during each test, using the methods specified in IDAPA 58.01.01.625.
- The pressure drop across the relevant baghouse for the stack tested.
- The input rate of raw milk to the dryer tested in pounds per hour.

[3/01/2021]

## **Reporting Requirements**

### **2.14 Dryer Test Reporting**

Performance test reporting shall be furnished to DEQ in accordance with the performance testing requirements (General Provisions 6.7–6.9).

[3/01/2021]

### 3 Boilers

#### 3.1 Process Description

The boilers combust natural gas to produce steam for the milk drying processes.

[3/01/2021]

#### 3.2 Control Device Descriptions

Table 3.1 Boiler Control Device Descriptions

Emissions Units / Processes	Control Devices	Emission Points
Boiler 1	None	P104
Boiler 2	None	P105

[3/01/2021]

### Emissions Limits

#### 3.3 Emissions Limits

The emissions from each boiler stack shall not exceed any corresponding emission rate limit listed in the following table.

Table 3.2 Boiler Emission Limits <sup>(a)</sup>

Source Description	PM <sub>2.5</sub> <sup>(b)</sup>		PM <sub>10</sub> <sup>(c)</sup>		NO <sub>x</sub>		CO	
	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>
Boiler 1 stack (P104)	0.25	1.09	0.25	1.09	3.29	14.38	2.76	12.08
Boiler 2 stack (P105)	0.25	1.09	0.25	1.09	3.29	14.38	2.76	12.08

- a) In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b) Particulate matter (PM) with an aerodynamic diameter less than or equal to a nominal two point five (2.5) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c) PM 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.
- d) 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.
- e) Tons per any consecutive 12-calendar month period.

[3/01/2021]

#### 3.4 Particulate Matter Emissions

The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas in accordance with IDAPA 58.01.01.676.

### Operating Requirements

#### 3.5 Fuel type

The boilers shall be fired on natural gas only.

#### 3.6 NSPS 40 CFR 60, Subpart Dc

The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart Dc.

[3/01/2021]

### **3.7 Stack height**

The boilers shall have a minimum stack height of 65 feet above ground level, with unimpeded vertical flow. The stack heights shall be increased to this height prior to startup of Dryer 2.

[3/01/2021]

## 4 Fluid Bed and Powder Storage

### 4.1 Process Description

Dried solids will be cooled in the fluid bed. Exhaust air from the fluid bed will pass through a baghouse (P102) and then be discharged. The powder from the fluid bed cooler will drop through an airlock, through a rotary sifter, and onto a conveyor for transfer to a storage silo. Exhaust from the silos passes through a baghouse (P103B) and then discharge to the atmosphere. In a second production line, the operating receiver delivers powder via dense phase to one of three powder handling silos (filling one at a time). Exhaust from the operating silo passes through a baghouse (POWDSILO) and then discharges to the atmosphere through a common 6-inch diameter vent. Powder from the silos is then transported with a vacuum dense phase transport system to the sifter accumulation hopper. The sifter accumulation hopper has two vacuum receivers. Exhaust from the operating vacuum receiver passes through a baghouse (VACRCV) and then discharges to the atmosphere through the common 6-inch diameter vent. Only one vacuum receiver is running at a given time (cycle back and forth).

In a second production line, the operating receiver delivers powder via dense phase to one of three powder handling silos (filling one at a time). Exhaust from the operating silo passes through a baghouse (POWDSILO) and then discharges to the atmosphere through a common 6-inch diameter vent. Powder from the silos is then transported with a vacuum dense phase transport system to the sifter accumulation hopper. The sifter accumulation hopper has two vacuum receivers. Exhaust from the operating vacuum receiver passes through a baghouse (VACRCV) and then discharges to the atmosphere through the common 6-inch diameter vent. Only one vacuum receiver is running at a given time (cycle back and forth).

Milk powder products stored in the silos are packaged and shipped off-site.

### 4.2 Control Device Descriptions

Table 4.1 Fluid Bed and Powder Storage Control Device Descriptions

Emissions Units / Processes	Control Devices	Emission Points
Fluid Bed	Fluid Bed Baghouse	P102
Powder Handling Line 1 (Powder Silo 1)	Powder Handling Baghouse	P103B
Powder Handling Line 2 (Powder Silo 2, Hopper Vacuum Receiver)	Powder Silo Baghouse, and Hopper Vacuum Receiver Baghouses	POWDSILO and VACRCV

[3/01/2021]

## Emissions Limits

### 4.3 Opacity Limit

Emissions from any baghouse stack, or any other stack, vent, or functionally equivalent opening associated with the fluid bed or powder handling 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.

[3/01/2021]

#### 4.4 Emission Limits

The emissions from each baghouse stack shall not exceed any corresponding emissions rate limit listed in the following table. All fluid bed and powder process emissions shall be ducted to the corresponding dedicated baghouse stack at all times.

**Table 4.2 Fluid Bed and Powder Storage Emission Limits <sup>(a)</sup>**

Source Description	PM <sub>2.5</sub> <sup>(b)</sup>		PM <sub>10</sub> <sup>(c)</sup>	
	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>	lb/hr <sup>(d)</sup>	T/yr <sup>(e)</sup>
Fluid Bed Baghouse stack (P102)	1.08	4.73	1.08	4.73
Powder Handling Baghouse stack (P103B)	0.12	0.50	0.12	0.50
Powder Silo Baghouse stack (POWDSILO)	0.0036	0.016	0.0036	0.016
Hopper Vacuum Receiver Baghouse stack (VACRCV)	0.0036	0.016	0.0036	0.016

- a) In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b) Particulate matter (PM) with an aerodynamic diameter less than or equal to a nominal two point five (2.5) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c) PM 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.
- d) 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.
- e) Tons per any consecutive 12-calendar month period.

[3/01/2021]

### Operating Requirements

#### 4.5 Operations and Maintenance (O&M) Manual Requirements and Baghouse Pressure Drop

Within 60 days after permit issuance, the permittee shall have developed an O&M manual for the baghouses, which describes the procedures that will be followed to comply with control device maintenance and operation requirements (General Provision 6.2) and the manufacturer specifications for the baghouse. This manual shall remain onsite at all times and shall be made available to DEQ representatives upon request. Any changes to the O&M shall be submitted to DEQ for review and comment within 15 days of the change. The permittee shall operate control equipment in accordance with the O&M manual at all times. The requirements in the O&M manual shall be incorporated by reference to this permit and shall be enforceable permit conditions. At a minimum, the O&M manual shall include the following for each baghouse (Table 1.1):

- Minimum pressure drop across each baghouse

[3/01/2021]

#### 4.6 Baghouse Pressure Drop

The permittee shall install, calibrate, operate, and maintain pressure drop monitoring devices to continuously measure the pressure drop across each baghouse listed in the boiler control device descriptions (Table 4.1). The pressure drop across each baghouse shall be maintained within manufacturer's and O&M manual specifications.

## **Monitoring and Recordkeeping Requirements**

### **4.7 Baghouse Pressure Drop Monitoring**

The permittee shall monitor and record the pressure drop of each baghouse daily and conduct quarterly baghouse inspections. The records shall include at a minimum the date of each inspection, description of the structural integrity of the bags/filters, and a description of any maintenance or corrective action performed. Records of this information shall be maintained in accordance with monitoring and recordkeeping requirements (General Provision 6.10).

[3/01/2021]

## **5 Emergency Generator**

### **5.1 Process Description**

The emergency generator will supply backup power in the event of an electrical interruption in the main power supply.

### **5.2 Control Device Description**

Emissions from the emergency generator are uncontrolled.

## **Operating Requirements**

### **5.3 Allowable Fuels**

The emergency generator shall combust only diesel fuel.

[3/01/2021]

### **5.4 NSPS 40 CFR 60, Subpart IIII**

The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart IIII.

[3/01/2021]



## 6 General Provisions

### General Compliance

6.1 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.]

6.2 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, 5/1/1994]

6.3 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, 5/1/1994]

### Inspection and Entry

6.4 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

6.5 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, 5/1/1994]

6.6 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; and

- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.01, 5/1/1994]

- 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.

[IDAPA 58.01.01.211.03, 5/1/1994]

## Performance Testing

**6.7** 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.

**6.8** 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.

**6.9** Within 60 days 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 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, 4/5/2000 and 4/11/2015]

## Monitoring and Recordkeeping

**6.10** 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, 5/1/1994]

## **Excess Emissions**

- 6.11** 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, 4/5/2000]

## **Certification**

- 6.12** 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, 5/1/1994]

## **False Statements**

- 6.13** 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, 3/23/1998]

## **Tampering**

- 6.14** 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, 3/23/1998]

## **Transferability**

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

[IDAPA 58.01.01.209.06, 4/11/2006]

## **Severability**

- 6.16** 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, 5/1/1994]