



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

Brad Little, Governor
Jess Byrne, Director

April 8, 2021

Reed Gibby, Manager and Member
Liberty Basin, LLC
872 E Pebble Drive
Burley, Idaho 83318

RE: Facility ID No. 031-00076, Liberty Basin, LLC, Burley
Final Permit Letter

Dear Mr. Gibby:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2020.0038 Project 62540 to Liberty Basin, LLC located at Burley for the initial permit for a grain milling and distribution operation being split off from Pacific Ethanol Magic Valley LLC. 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 on November 20, 2020.

This permit is effective immediately. This permit does not release Liberty Basin, LLC 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, as requested, Bobby Dye, Regional Manager - Air Quality and Remediation Manager, at (208) 736-2190, will schedule a permit handoff meeting to review and discuss the terms and conditions of this permit. Please note that this meeting should be scheduled once the permitted emissions units are operating and some representative records required by the permit have been generated by the facility. 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.

Mr. Reed Gibby

April 8, 2021

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Sincerely,

A handwritten signature in black ink that reads "Mike Simon". The signature is written in a cursive style with a large, sweeping initial "M".

Mike Simon

Stationary Source Bureau Chief

Air Quality Division

MS\syc

Permit No. P-2020.0038 PROJ 62540

Enclosures

Air Quality

PERMIT TO CONSTRUCT

Permittee Liberty Basin, LLC
Permit Number P-2020.0038
Project ID 62540
Facility ID 031-00076
Facility Location 2600 Washington Ave.
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 April 8, 2021



Shawnee Chen, PE, Permit Writer



Mike Simon, Stationary Source Bureau Chief

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1 Permit Scope

Purpose

- 1.1 This is an initial permit to construct (PTC) for all grain handling and milling related processes purchased from an ethanol plant.

Regulated Sources

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

Table 1.1 Regulated Sources

Emission Unit	Size or Capacity	Control Equipment
Truck Dump Pit - Grain	25,000 Bushels/hr	Receiving Baghouse (SV01)
Rail Dump Pit - Grain	50,000 Bushel/hr	
2 Grain Bins	471,927 Bushel each	
Grain Loadout	7,500 Bushel/hr	Handling Baghouse (SV02)
3 Grain Conveyors	5,000 Bushel/hr	
2 Grain Elevators	5,000 Bushel/hr	
Scalper	5,000 Bushel/hr	
Grain Surge Bin	5,414 Bushel/hr	
Hammermill 1	1,124 Bushel/hr	Hammermill Baghouse 1 (SV06a)
Hammermill 2	1,124 Bushel/hr	Hammermill Baghouse 2 (SV06b)

2 Grain Receiving, Milling, Shipping, Load-out and Storage

2.1 Process Description

Grain commodities will be brought to the facility by truck or rail. Grain commodities will be unloaded and mechanically conveyed to storage. The receiving process is controlled by baghouse SV01. Grain commodities will be processed through the milling system to achieve milled product to the desired consistency of customer demand. The milling processing is controlled by baghouses SV06a and SV06b. From milling, the milled grain will be mechanically conveyed to a storage building (initially, what is currently the Wet DGS Storage Barn). The handling and storage processes are controlled by baghouse SV02. From storage, milled grain will be loaded into trucks or rail for distribution to offsite customers; these emissions are controlled by baghouse SV02.

2.2 Control Device Descriptions

Table 2.1 Grain Receiving, Milling, Storage, and Handling Description

Emissions Units / Processes	Control Device
Truck Dump Pit	Grain Receiving Baghouse (SV01) PM emissions of 0.004 gr/dscf or less
Rail Dump Pit	
Grain Bins (2)	
Grain Load-out	Grain Handling Baghouse (SV02) PM emissions of 0.004 gr/dscf or less
Grain Conveyors (3)	
Grain Elevators (2)	
Scalper	
Grain Surge Bin	
Hammermill	Hammer Mill Baghouse (SV06a) PM emissions of 0.004 gr/dscf or less
Hammermill	Hammer Mill Baghouse (SV06b) PM emissions of 0.004 gr/dscf or less

Emission Limits

2.3 Emission Limits

The emissions from the baghouse stacks shall not exceed any corresponding emissions rate limits listed in Table 2.2.

Table 2.2 Grain Receiving, Milling, Handling Baghouses Emission Limits^(a)

Source Description	PM ₁₀ ^(b)		PM _{2.5} ^(b)	
	lb/hr ^(c)	T/yr ^(d)	lb/hr ^(c)	T/yr ^(d)
Grain Receiving Baghouse (SV01)	0.17	0.751	0.10	0.45
Grain Handling Baghouse (SV02)	0.09	0.375	0.05	0.23
Hammermilling Baghouse (SV06a)	0.04	0.188	0.03	0.113
Hammermilling Baghouse (SV06b)	0.04	0.188	0.03	0.113
Totals		1.50		0.91

- In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- Particulate matter with an aerodynamic diameter less than or equal to a nominal two point five (2.5) and ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- 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.
- Tons per any consecutive 12-calendar month period.

2.4 Opacity Limit

Emissions from each baghouse stack, or any other stack, vent, or functionally equivalent opening associated with the baghouse stack, 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 Fugitives Emissions

All reasonable precautions shall be taken to prevent fugitive PM from becoming airborne in accordance with IDAPA 58.01.01.650-651.

Operating Requirements

2.6 The permittee shall operate the baghouses to control particulate emissions from the emissions units as specified in Table 2.1 when an emissions unit is operating.

2.7 Baghouse PM Manufacturer Warranties or Source Test Verifications

The permittee shall maintain on-site and make available to DEQ representatives upon request, manufacturer guarantees stating that the grain receiving baghouse (SV01), grain handling baghouse (SV02) and hammermill baghouses (SV06a and SV06b) will emit no more PM than 0.004 grains per dry standard cubic foot (gr/dscf).

In lieu of manufacturer guarantees, the permittee may choose to provide other supporting documentation that is supported by source test data to demonstrate that the baghouse PM emissions concentration is 0.004 gr/dscf or less.

2.8 Baghouse/Filter System Procedures

Within 60 days of the permit issuance date, the permittee shall have developed a Baghouse/Filter System Procedures document for the inspection and operation of the baghouses/filter system which controls emissions from the grain receiving, milling, storage, and grain handling as specified in Table 2.1. The Baghouse/Filter System Procedures document shall be a permittee developed document independent of the manufacturer supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual.

The Baghouse/Filter System Procedures document shall describe the procedures that will be followed to comply with the General Provisions and shall contain requirements for quarterly see-no-see visible emissions inspections of the baghouse. The inspection shall occur during daylight hours and under normal operating conditions.

The Baghouse/Filter System Procedures document shall also include a schedule and procedures for corrective action that will be taken if visible emissions are present from the baghouse at any time. At a minimum the document shall include:

- Procedures to determine if bags or cartridges are ruptured; and
- Procedures to determine if bags or cartridges are not appropriately secured in place.

The Permittee shall maintain records of the results of each baghouse/filter system inspections in accordance with the General Provisions of this permit. The records shall include, but not be limited to, the following:

- Date and time of inspection;

- Equipment inspected (e.g. exterior housing of baghouse, fan motor, auger, inlet air ducting);
- Description of whether visible emissions were present, and if visible emissions were present a description of the corrective action that was taken.
- Date corrective action was taken.

The Baghouse/Filter System Procedures document shall be submitted to DEQ within 60 days of the permit issuance date for review and comment and shall contain a certification by a responsible official. Any changes to the Baghouse/Filter System Procedures document shall be submitted within 15 days of the change.

The Baghouse/Filter System Procedures document shall also remain on site at all times and shall be made available to DEQ representatives upon request.

The operating, monitoring and recordkeeping requirements specified in the Baghouse/Filter System Procedures document are incorporated by reference to this permit and are enforceable permit conditions.

Monitoring and Recordkeeping Requirements

2.9 Baghouse Inspections

Records of the results of the quarterly baghouse inspections shall be maintained on site for a period of five years and be made available to DEQ representatives upon request. 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.

2.10 Reasonable Control Measures for Fugitive Emissions

The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each quarterly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

2.11 Visible Emissions Monitoring

The permittee shall conduct a quarterly facility-wide inspection of the plant for visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation. If any visible emissions are present from any point of emission, the permittee shall take appropriate corrective action as expeditiously as practicable. If the corrective action does not eliminate the visible emissions, then a Method 9 visible emissions observation must be conducted as soon as possible, but in no case later than 48 hours after the failure of the corrective action to determine the extent of observed visible opacity. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emission inspection and each opacity test when conducted. The records shall include, at a

minimum, the date and results of each inspection and test, and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

Records of this information shall be kept on-site for the most recent five-year period and shall be made available to DEQ representatives upon request.

Performance Testing Requirements

2.12 PM/PM₁₀/PM_{2.5} Performance Test

Within 180 days of the permit issuance date, the permittee shall conduct a performance test on grain receiving baghouse (SV01), grain handling baghouse (SV02), and one of the hammermilling baghouses (SV06a, or SV06b) to 1) verify that the PM emissions concentration is 0.004 gr/dscf or less and 2) demonstrate compliance with the PM₁₀ and PM_{2.5} emissions limits in Table 2.2 of permit. The emission rate should use averaging period determined by source test methods prescribed by IDAPA 58.01.01.157.

The permittee is encouraged to submit a source testing protocol for approval 30 days prior to conducting the performance test.

The permittee shall test in accordance with IDAPA 58.01.01.157 and in accordance with the General Provisions of this permit which contain notification, testing procedures and reporting requirements.

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

For grain receiving baghouse (SV01)

- Describe the process, including which operations are running.
- Grain receiving rate in Bushel/hr and pound/hr
- Pressure drop of the baghouse once each 15 minutes during the performance test
- A see-no-see opacity evaluation during the performance test.

For grain handling baghouse (SV02)

- Describe the process, including which operations are running.
- Material handling rate of grain conveyors, grain elevators, scalper, and grain surge bin, respectively in Bushel/hr and pound/hr
- Grain loadout rate in Bushel/hr and pound/hr
- Pressure drop of the baghouse once each 15 minutes during the performance test
- A see-no-see opacity evaluation during the performance test.

For hammermill baghouse (SV06a, or SV06b)

- Describe the process, including which operations are running.
- Production rates in Bushel/hr and pound/hr.
- Pressure drop of the baghouse once each 15 minutes during the performance test
- A see-no-see opacity evaluation during the performance test.

3 General Provisions

General Compliance

- 3.1 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.]
- 3.2 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]
- 3.3 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

- 3.4 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

- 3.5 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]
- 3.6 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

3.7 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.

3.8 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.

3.9 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

3.10 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

- 3.11** 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

- 3.12** 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

- 3.13** 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

- 3.14** 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

- 3.15** 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

- 3.16** 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]