



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

September 2, 2014

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

Rick Murdock, Chief Operating Officer
Guerdon Enterprises, LLC
5556 Federal Way
Boise, ID 83716

RE: Facility ID No. 001-00299, Guerdon Enterprises, LLC, Boise
Final Permit Letter

Dear Mr. Murdock:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2014.0018 Project 61355 to Guerdon Enterprises, LLC located at Boise for a modular building manufacturing facility. 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 April 21, 2014.

This permit is effective immediately and does not release Guerdon Enterprises, LLC from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to the Construction and Operation Notification General Provision of your permit, it is required that construction and operation notification be provided. DEQ is aware that the permitted facility operations are already in existence. Therefore there is not a need to submit notifications of construction and operation.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Mr. Tom Krinke, Air Quality 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 Dan Pitman at (208) 373-0502 or daniel.pitman@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

Permit No. P-2014.0018 PROJ 61355
Enclosures

AIR QUALITY

PERMIT TO CONSTRUCT

Permittee Guerdon Enterprises, LLC
Permit Number P-2014.0018
Project ID 61355
Facility ID 001-00299
Facility Location 5556 Federal Way
Boise, ID 83716

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 September 2, 2014



Dan Pitman, P.E., Permit Writer



Mike Simon, Stationary Source Manager

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1. Permit Scope

Purpose

1.1 This is initial permit to construct (PTC) a modular building manufacturing facility. Residential or commercial buildings are manufactured using various equipment and materials including 10 stationary saws, various hand saws, paint spray guns, adhesives, and foam insulation. Limited welding incidental to manufacturing modular buildings occurs in a maintenance shop. Construction activities occur within an enclosed building.

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.	Wood & Sheet Rock Cutting/Working Operations (e.g. 5 stationary saws, various hand saws, sanding)	Cyclone, filter, or limit operations to occur in an enclosed building
3.	TAP (Toxic Air Pollutant) Emission Sources-Spray Guns, Adhesives, Caulk, Foam Insulation, etc.	Particulate TAP – Operations occur in an enclosed building

2. Wood & Sheet Rock Cutting/Working Operations

2.1 Process Description

Modular buildings are constructed within an enclosed building. Operations include cutting and sanding of wood and sheet rock. Ten stationary saws are used.

2.2 Control Device Descriptions

Emissions from cutting, sanding or otherwise shaping wood or sheet rock are controlled by limiting operations within an enclosed building, routing emissions through a filter, or routing emissions to a cyclone.

Emission Limits

2.3 Opacity Limit

Emissions from any stack, vent, or functionally equivalent opening 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.

Operating Requirements

2.4 Production Limits

The permittee shall not produce more than 5,870 square feet of modular building(s) per calendar day.

The permittee shall not produce more than 910,000 square feet of modular buildings per any consecutive 12 month period.

2.5 Emissions from cutting, sanding or otherwise shaping wood or sheet rock shall be controlled by limiting operations within an enclosed building, routing emissions through a filter, or routing emissions to a cyclone.

2.6 Cyclone Bin

All reasonable precautions shall be taken to prevent particulate matter (PM) from becoming airborne in accordance with IDAPA 58.01.01.650–651. Some of the reasonable precautions may include, but are not limited to, the following: installation and use, where practical, of hoods, fans and fabric filters or equivalent systems to enclose and vent the handling of dusty materials.

Monitoring and Recordkeeping Requirements

2.7 Production

Each day the permittee shall monitor and record the square feet of modular building(s) that are produced calendar day.

Each calendar month the permittee shall determine and record the square feet of modular buildings produced during the previous 12 consecutive month period.

2.8 Fugitive Emissions

The permittee shall conduct a monthly 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 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.

3. TAP Emissions Sources - Including Paint, Adhesive, Caulk and Foam Insulation Usage

3.1 Process Description

Modular buildings are constructed within an enclosed building. Operations include painting, caulking, gluing, and application of spray foam insulation.

3.2 Control Device Descriptions

Emissions from spray painting are controlled by limiting operations to within an enclosed building.

Emission Limits

3.3 Toxic Air Pollutant (TAP) Limits

Each calendar day emissions of TAPs from the facility, including but not limited to TAPs emissions from paints, foam, thinner, adhesives, caulk, shall not exceed the EL (lb/hr) multiplied by 24 (for TAPs listed in both IDAPA 58.01.01.585 and 586) or the acceptable ambient concentration (mg/m^3) (for TAPs listed in IDAPA 58.01.01.585) or the acceptable ambient concentration for carcinogens ($\mu\text{g}/\text{m}^3$) (for TAPs listed in IDAPA 58.01.01.586).

- 3.4 In accordance with 58.01.01.776.01 the permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.

Operating Requirements

- 3.5 Spray painting operations shall occur within an enclosed building and the permittee shall only paint building components that are assembled at the facility.
- 3.6 The permittee shall not use methylene chloride (MeCl) to remove dried paint.
- 3.7 The permittee shall not perform spray application of coatings that contain chromium, lead, manganese, nickel, or cadmium, to a plastic and/or metal substrate on a part or product as those terms are defined at 40 CFR 63 Subpart HHHHHH (Paint Stripping and Miscellaneous Surface Coating Operations MACT).

Monitoring and Recordkeeping Requirements

3.8 Material Usage Records

The permittee shall monitor and record daily the usage of all TAP containing materials, that emit air pollution, that are used in the modular building manufacturing process including but not limited to paints, foam, thinner, adhesives and caulk.

3.9 TAPs Emissions Monitoring Requirements

Using the material usage records, the permittee shall monitor and record the individual TAP (as listed in IDAPA 58.01.01.585 and 586) emissions from the process in order to demonstrate compliance with the TAPs emissions limits Permit Condition. All emissions calculations shall remain on-site in accordance with General Provision 4.10.

If any of the individual daily TAP emission rate exceeds 24 times the screening emissions level (EL) specified in IDAPA 58.01.01.585 and 586, a modeling analysis shall be conducted to demonstrate compliance with the acceptable ambient concentration (mg/m^3) (for TAPs listed in IDAPA 58.01.01.585) or the acceptable ambient concentration for carcinogens ($\mu\text{g}/\text{m}^3$) (for TAPs listed in IDAPA 58.01.01.586). Documentation of all calculations and modeling analysis shall be maintained on-site in accordance with General Provision 4.10.

3.10 The permittee shall maintain records of all odor complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, any corrective action taken, and the date the corrective action was taken.

3.11 Excess Emissions

If TAP modeling analysis (such as that conducted pursuant to Permit Condition 3.9) shows that emissions of any TAP exceeds the acceptable ambient concentration for any TAP the permittee shall follow the excess emissions requirements of IDAPA 58.01.01.131 including but not limited to correcting the excess emission condition in accordance with IDAPA 58.01.01.132, and submitting excess emission reports no later than 15 days after the beginning of each such event in accordance with IDAPA 58.01.01.135.

Reporting Requirements

3.12 Each year the permittee shall submit a report by May 1st on all TAP modeling analyses that have been conducted during the previous 12 month period. The report shall document the analyses with sufficient detail, including documentation of all calculations and electronic copies of modeling files, so that DEQ can verify the analysis. The report shall be sent to:

DEQ State Office
Air Quality Division
1410 N. Hilton
Boise, ID 83706

The report shall be titled: Guerdon Enterprises LLC – Permit Required Modeling Report.

4. General Provisions

General Compliance

4.1 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.]

4.2 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]

4.3 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

4.4 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

4.5 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]

4.6 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

- 4.7 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.
- 4.8 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.
- 4.9 Within 30 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 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

- 4.10 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

- 4.11 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

- 4.12 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

- 4.13 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

- 4.14 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

- 4.15 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

- 4.16 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]