



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

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

C.L. "Butch" Otter, Governor  
Toni Hardesty, Director

November 14, 2007

**Certified Mail No. 7102 0243 6844 0000 0922**

Gary Multanen  
President  
Fiberglass Systems, Inc.  
4545 Enterprise  
Boise, ID 83705

RE: Facility ID No. 001-00101, Fiberglass Systems, Inc, Boise  
Final Tier I Operating Permit Letter

Dear Mr. Multanen:

The Department of Environmental Quality (DEQ) is issuing Tier I Operating Permit No. TI-040049 for Fiberglass Systems, Inc. in Boise in accordance with IDAPA 58.01.01.300 through 386, Rules for the Control of Air Pollution in Idaho (Rules).

The enclosed permit is effective immediately, summarizes the applicable requirements for your facility, and requires an annual compliance certification for all emissions units. This permit replaces Tier I Operating Permit No. 001-00101, issued May 23, 2001, the terms and conditions of which shall no longer apply. The enclosed operating permit is based on the information contained in your permit application received December 22, 2004. Modifications to and/or renewal of this operating permit shall be requested in a timely manner in accordance with the Rules.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Leonard Herr, Airshed Manager, at 208-373-0550 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends 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 call Almer Casile at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Simon".

Mike Simon  
Stationary Source Program Manager  
Air Quality Division

MS/ABC/hp

Permit No. TI-040049

Enclosure

c: Leonard Herr, Boise Regional Office  
Almer Casile, Permit Writer  
Bill Rogers, Permit Coordinator (Ltr only)  
Marilyn Seymore/Pat Rayne, Air Quality Division  
Laurie Kral, EPA Region 10  
Faye Weber, Public Comment  
Source File  
Permit Binder  
Phyllis Heitman (Ltr Only)  
Reading File (Ltr Only)



**Air Quality  
TIER I OPERATING PERMIT**  
  
State of Idaho  
Department of Environmental Quality

**PERMIT No.:** T1-040049  
**FACILITY ID No.:** 001-00101  
**AQCR:** 064                      **CLASS:** A  
**SIC:** 3079                        **ZONE:** 11  
**UTM COORDINATE (km):** 564.4, 4823.0

**1. PERMITTEE**  
Fiberglass Systems, Inc.

**2. PROJECT**  
Tier I Operating Permit Renewal

<b>3. MAILING ADDRESS</b> 4545 Enterprise	<b>CITY</b> Boise	<b>STATE</b> Idaho	<b>ZIP</b> 83705
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<b>4. FACILITY CONTACT</b> Merrill Balius	<b>TITLE</b> Environmental & Safety Manager	<b>TELEPHONE</b> (208) 342-6823
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<b>5. RESPONSIBLE OFFICIAL</b> Gary Multanen	<b>TITLE</b> President	<b>TELEPHONE</b> (208) 342-6823
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<b>6. EXACT PLANT LOCATION</b> Latitude 43° 31' 41" Longitude 116° 11' 56"	<b>COUNTY</b> Ada
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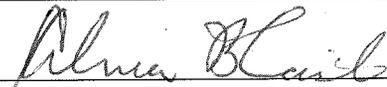
**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**  
Fabrication of Fiberglass Reinforced Plastic Composites

**8. PERMIT AUTHORITY**

This Tier I operating permit is issued pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.300 through 386. The permittee shall comply with the terms and conditions of this permit.

This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Idaho Department of Environmental Quality (DEQ) for the permitted source, unless the permittee emits toxic pollutants subject to state-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit.

The effective date of this permit is the date of signature by DEQ on the cover page.



ALMER CASILE, PERMIT WRITER  
DEPARTMENT OF ENVIRONMENTAL QUALITY



MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER  
DEPARTMENT OF ENVIRONMENTAL QUALITY

<b>DATE ISSUED:</b>	November 14, 2007
<b>DATE MODIFIED/AMENDED:</b>	
<b>DATE EXPIRES:</b>	November 14, 2012

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## Acronyms, Units, and Chemical Nomenclature

AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gpm	gallons per minute
HAPs	hazardous air pollutants
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
m	meter(s)
MACT	Maximum Achievable Control Technology
NESHAP	Nation Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	nitrogen oxides
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PTC	permit to construct
PTE	potential to emit
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
T/yr	tons per year
U.S.C.	United States Code
UTM	Universal Transverse Mercator
VOC	volatile organic compound

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

**Permittee:** Fiberglass Systems, Inc  
**Location:** Boise, Idaho

**Facility ID No. 001-00101**

**1. TIER I OPERATING PERMIT SCOPE**

***Purpose***

- 1.1 This Tier I operating permit is for the renewal of the facility's existing Tier I operating permit and incorporates 40 CFR 63, Subpart WWW. This Tier I operating permit replaces Tier I Operating Permit No. 001-00101, issued June 13, 2001, the terms and conditions of which shall no longer apply.
- 1.2 This Tier I operating permit incorporates the following permit(s):
- PTC No. 001-00101, issued December 28, 2000

***Regulated Sources***

- 1.3 Table 1.1 lists all sources of emissions regulated in this Tier I operating permit.

**Table 1.1 REGULATED SOURCES**

<b>Permit Condition</b>	<b>Source Description</b>	<b>Emissions Control(s)</b>
3	<u>Area Source</u> Coatings applications during fabrication of fiberglass reinforced plastics.	Pre-Filter Pad with 72% removal efficiency & Air Filter with 84% removal efficiency

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**Permittee:** Fiberglass Systems, Inc  
**Location:** Boise, Idaho

**Facility ID No. 001-00101**

**2. FACILITY-WIDE CONDITIONS**

The following table contains a summary of requirements that apply generally to emissions units at the facility.

**Table 2.1 APPLICABLE REQUIREMENTS SUMMARY**

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
2.1	Fugitive dust	Reasonable precautions	IDAPA 58.02.02.650-651	2.2, 2.3, 2.4, 2.11
2.5	Odorous gas, liquids or solids	No emissions that cause air pollution	IDAPA 58.02.02.775-776	2.6, 2.11
2.7	Opacity	20%	IDAPA 58.02.02.625	2.8, 2.11
2.9	Excess Emissions	In compliance with IDAPA 58.02.02.130-136	IDAPA 58.02.02.130	2.11
2.13	Open Burning	In accordance with IDAPA 58.02.02.600-616	IDAPA 58.02.02.600-616, 5/1/94	2.11
2.14	Asbestos	In compliance with 40 CFR 61 Subpart M	40 CFR 61 Subpart M	2.11
2.15	Risk Management Plan	In compliance with 40 CFR 68.215(a)(2)	40 CFR 68.10 (a)	2.11
2.10	PM <sub>10</sub> , PM, NO <sub>x</sub> , SO <sub>2</sub> , CO, VOC, Opacity	Test Methods	IDAPA 58.02.02.157	2.11
2.16	Recycling and Emissions Reduction	In compliance with 40 CFR 82 Subpart F	40 CFR 82 Subpart F	2.11

***Fugitive Dust***

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.02.02.650-652. **[IDAPA 58.02.02.650-651, 5/1/94]**
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive dust emissions. **[IDAPA 58.02.02.322.06, 07, 5/1/94]**
- 2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken. **[IDAPA 58.02.02.322.06, 07, 5/1/94]**
- 2.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive dust emissions, during daylight hours and under normal operating conditions, to ensure that the methods used

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

**Permittee:** Fiberglass Systems, Inc  
**Location:** Boise, Idaho

**Facility ID No.** 001-00101

to reasonably control fugitive dust emissions are effective. If fugitive dust 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 dust 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 dust emissions, and the date the corrective action was taken.

**[IDAPA 58.02.02.322.06, 07, 5/1/94; IDAPA 58.02.02.322.08, 4/5/00]**

**Odors**

2.5 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.

**[IDAPA 58.02.02.775-776 (state-only), 5/1/94]**

2.6 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

**[IDAPA 58.02.02.322.06, 07 (state-only), 5/1/94]**

**Visible Emissions**

2.7 The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.02.02.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

**[IDAPA 58.02.02.625, 4/5/00]**

2.8 The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.02.02.625. 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 its annual compliance certification and in accordance with IDAPA 58.02.02.130-136. 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.

**[IDAPA 58.02.02.322.06, 07, 5/1/94; IDAPA 58.02.02.322.08, 4/5/00]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No.</b> 001-00101
<b>Location:</b>	Boise, Idaho	

**Excess Emissions**

*Excess Emissions - General*

2.9 The permittee shall comply with the procedures and requirements of IDAPA 58.02.02.130-136 for excess emissions. The provisions of IDAPA 58.02.02.130-136 shall govern in the event of conflicts between Permit Condition 2.9 and the regulations of IDAPA 58.02.02.130-136.

2.9.1 The person responsible for or in charge of a facility during an excess emissions event shall, with all practicable speed, initiate and complete appropriate and reasonable action to correct the conditions causing the excess emissions event; to reduce the frequency of occurrence of such events; to minimize the amount by which the emission standard is exceeded; and shall, as provided below or upon request of DEQ, submit a full report of such occurrence, including a statement of all known causes, and of the scheduling and nature of the actions to be taken.

**[IDAPA 58.02.02.132, 4/5/00]**

*Excess Emissions – Startup, Shutdown, Scheduled Maintenance*

2.9.2 In all cases where startup, shutdown, or scheduled maintenance of any equipment or emission unit is expected to result or results in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.02.02.133.01(a) through (d), including, but not limited to, the following:

**[IDAPA 58.02.02.133, 4/5/00]**

- A prohibition of any scheduled startup, shutdown, or maintenance resulting in excess emissions shall occur during any period in which an Atmospheric Stagnation Advisory or a Wood Stove Curtailment Advisory has been declared by DEQ.

**[IDAPA 58.02.02.133.02.a, 3/20/97]**

- Notifying DEQ of the excess emissions event as soon as reasonably possible, but no later than two hours prior to the start of the event, unless the owner or operator demonstrates to DEQ's satisfaction that a shorter advance notice was necessary.

**[IDAPA 58.02.02.133.02.b, 4/5/00]**

- The owner or operator of a source of excess emissions shall report and record the information required pursuant to Permit Conditions 2.9.4 and 2.9.5 and IDAPA 58.02.02.135 and 136 for each excess emissions event due to startup, shutdown, or scheduled maintenance.

**[IDAPA 58.02.02.133.02.c, 3/20/97]**

*Excess Emissions – Upset, Breakdown, or Safety Measures*

2.9.3 In all cases where upset or breakdown of equipment or an emissions unit, or the initiation of safety measures, results or may result in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.02.02.134.01(a) and (b) and the following:

**[IDAPA 58.02.02.134, 4/5/00]**

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<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No.</b> 001-00101
<b>Location:</b>	Boise, Idaho	

- 2.9.3.1 For all equipment or emissions units from which excess emissions result during upset or breakdown conditions, or for other situations that may necessitate the implementation of safety measures which cause excess emissions, the facility owner or operator shall comply with the following:  
**[IDAPA 58.02.02.134.02, 4/5/00]**
- The owner or operator shall immediately undertake all appropriate measures to reduce and, to the extent possible, eliminate excess emissions resulting from the event and to minimize the impact of such excess emissions on the ambient air quality and public health.  
**[IDAPA 58.02.02.134.02.a, 4/5/00]**
  - The owner or operator shall notify DEQ of any upset, breakdown, or safety event that results in excess emissions. Such notification shall identify the time, specific location, equipment or emissions unit involved, and (to the extent known) the cause(s) of the occurrence. The notification shall be given as soon as reasonably possible, but no later than 24 hours after the event, unless the owner or operator demonstrates to DEQ's satisfaction that the longer reporting period was necessary.  
**[IDAPA 58.02.02.134.02.b, 4/5/00]**
  - The owner or operator shall report and record the information required pursuant to Permit Conditions 2.9.4 and 2.9.5 and IDAPA 58.02.02.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.  
**[IDAPA 58.02.02.134.02.c, 3/20/97]**

- 2.9.3.2 During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, DEQ may require the owner or operator to immediately reduce or cease operation of the equipment or emissions unit causing the period until such time as the condition causing the excess has been corrected or brought under control. Such action by DEQ shall be taken upon consideration of the factors listed in IDAPA 58.02.02.134.03 and after consultation with the facility owner or operator.  
**[IDAPA 58.02.02.134.03 4/5/00]**

*Excess Emissions – Reporting and Recordkeeping*

- 2.9.4 A written report for each excess emissions event shall be submitted to DEQ by the owner or operator no later than 15 days after the beginning of such an event. Each report shall contain the information specified in IDAPA 58.02.02.135.02.  
**[IDAPA 58.02.02.135.01 and 02, 3/20/97]**
- 2.9.5 The owner or operator shall maintain excess emissions records at the facility for the most recent five-calendar-year period. The excess emissions records shall be made available to DEQ upon request and shall include the information requested by IDAPA 58.02.02.136.03(a) and (b) as summarized in the following:  
**[IDAPA 58.02.02.136.01, 02, 3/20/97; IDAPA 58.02.02.136.03, 4/5/00]**
- An excess emissions record book for each emissions unit or piece of equipment containing copies of all reports that have been submitted to DEQ pursuant to IDAPA 58.02.02.135 for the particular emissions unit or equipment; and  
**[IDAPA 58.02.02.136.03.a, 4/5/00]**
  - Copies of all startup, shutdown, and scheduled maintenance procedures and upset, breakdown, or safety preventative maintenance plans that have been developed by the owner or operator in accordance with IDAPA 58.02.02.133 and 134, and facility records as necessary to demonstrate compliance with such procedures and plans.  
**[IDAPA 58.02.02.136.03.b, 3/20/97]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No.</b> 001-00101
<b>Location:</b>	Boise, Idaho	

**Performance Testing**

2.10 If performance testing is required, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by DEQ approval. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests such testing not be performed on weekends or state holidays.

All testing shall be conducted in accordance with the procedures in IDAPA 58.02.02.157. 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, prior to conducting any performance test, the permittee is encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:

- The type of method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

The permittee shall submit a compliance test report for the respective test to DEQ within 30 days following the date in which a compliance test required by this permit is concluded. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Boise Regional Office  
1445 N. Orchard  
Boise, Idaho 83706  
Phone: (208) 373-0550 Fax: (208) 373-0287

**[IDAPA 58.02.02.157, 4/5/00; IDAPA 58.02.02.322.06, 08.a, 09, 5/1/94]**

**Monitoring and Recordkeeping**

2.11 The permittee shall maintain sufficient records to assure compliance with all of the terms and conditions of this operating permit. Records of monitoring information 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 58.02.02.322.07, 5/1/94]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No.</b> 001-00101
<b>Location:</b>	Boise, Idaho	

**Reports and Certifications**

2.12 All periodic reports and certifications required by this permit shall be submitted to DEQ within 30 days of the end of each specified reporting period. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.02.02.130-136. Reports, certifications, and notifications shall be submitted to:

Air Quality Permit Compliance  
Department of Environmental Quality  
Boise Regional Office  
1445 N. Orchard  
Boise, Idaho 83706  
Phone: (208) 373-0550 Fax: (208) 373-0287

The periodic compliance certification required by General Provision 21 shall also be submitted within 30 days of the end of the specified reporting period to:

EPA Region 10  
Air Operating Permits, OAQ-107  
1200 Sixth Ave.  
Seattle, WA 98101

**[IDAPA 58.02.02.322.08, 11, 5/1/94]**

**Open Burning**

2.13 The permittee shall comply with the Rules for Control of Open Burning, IDAPA 58.02.02.600-616.

**[IDAPA 58.02.02.600-616, 3/30/07]**

**Renovation/Demolition**

2.14 The permittee shall comply with all applicable portions of 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.

**[40 CFR 61, Subpart M]**

**Regulated Substances for Accidental Release Prevention**

2.15 An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR 68 no later than the latest of the following dates:

- Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR 68.130.
- The date on which a regulated substance is first present above a threshold quantity in a process.

**[40 CFR 68.10 (a)]**

**Recycling and Emissions Reductions**

2.16 The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

**[40 CFR 82, Subpart F]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

**Permittee:** Fiberglass Systems, Inc  
**Location:** Boise, Idaho

**Facility ID No. 001-00101**

**3. MANUFACTURING**

**Summary Description**

This facility is a fiberglass tub and shower manufacturer. VOCs are emitted from various stages of production in different areas of the plant floor. Since it is not possible to associate specific emissions with individual stacks that vent the plant floor, these stacks are treated as an area source since.

3.1 Table 3.1 describes the devices used to control emissions from stacks A, B, E, F, G, H, I, and K.

**Table 3.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Units / Processes	Emissions Control Device
Stacks A, B, E, F, G, H, I, and K	Pre-Filter Pad with 72% removal efficiency & Air Filter with 84% removal efficiency

3.2 Table 3.2 contains only a summary of the requirements that apply to the A, B, E, F, G, H, I, and K stacks. Specific permit requirements are listed below in Table 3.3.

**Table 3.2 APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Operating and Monitoring and Recordkeeping Requirements
3.3	VOC Emissions	Not to exceed lb/mo and T/yr limits in Table 3.3	PTC No. 001-00101, 12/28/00	3.21, 3.24, 3.25, 3.56
3.4	Styrene, Methylene Chloride, Methyl Ethyl Ketone Peroxide	Not to exceed lb/mo and T/yr limits in Table 3.3	PTC No. 001-00101, 12/28/00	3.22, 3.23, 3.23, 3.56
3.5	Visible Emissions	20% opacity	PTC No. 001-00101, 12/28/00	3.8, 3.10
3.6	Particulate	Process weight	IDAPA 58.02.02.701	3.9, 3.26
3.7	HAPs	Not to exceed lb/ton limits in Permit Condition 3.7	40 CFR 63, Subpart WWWW	3.15-3.20, 3.28-3.55, 3.57-3.60
3.13	Fugitive Particulate Dust	Reasonably controlled	IDAPA 58.02.02.650, 651; PTC No. 001-00101, 12/28/00	3.5, 3.9, 3.12
3.14	Fugitive VOC Emissions	Reasonable precautions	PTC No. 001-00101, 12/28/00	3.11, 3.26

**Table 3.3 EMISSION LIMITS**

Source Description	VOC		Styrene		Methylene Chloride		Methyl Ethyl Ketone Peroxide	
	T/mo	T/yr	T/mo	T/yr	lb/hr	T/yr	lb/hr	T/yr
Area Source (Includes stacks A,B,E,F,G,H,I,K)	30.0	332.5	29.7	253.9	0.018	0.079	2.6	7.0

**Permit Limits/Standard Summary**

3.3 Volatile organic compounds (VOCs) from the corresponding stacks or as fugitives shall not exceed the ton per month and ton per year values in Table 3.3.

**[PTC No. 001-00101, 12/28/00]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc
<b>Location:</b>	Boise, Idaho

Facility ID No. 001-00101

- 3.4 Toxic emissions of styrene, methylene chloride, and methyl ethyl ketone peroxide (MEKP) shall not exceed any corresponding emission limit listed in Table 3.3.

[PTC No. 001-00101, 12/28/00]

- 3.5 Visible emissions from each stack shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period in accordance with IDAPA 58.02.02.625 (Rules for the Control of Air Pollution in Idaho).

[PTC No. 001-00101, 12/28/00]

- 3.6 The permittee shall not emit into the atmosphere from any process or process equipment commencing operation on or after October 1, 1979, particulate matter in excess of the amount shown by the following equations, where E is the allowable emission from the entire source in pounds per hour, and PW is the process weight in pounds per hour.

- a. If PW is less than 9,250 pounds per hour,

$$E = 0.045(PW)^{0.6}$$

- b. If PW is equal to or greater than 9,250 pounds per hour,

$$E = 2.10(PW)^{0.25}$$

[IDAPA 58.02.02.701, 4/5/00]

3.7 MACT Limitations, Work Practice Standards & Compliance Deadlines

On and after the compliance date specified in 40 CFR 63.5800 and 40 CFR 63, Subpart WWWW, Table 2, the permittee shall comply with the applicable emission limitations, operating limitations and work practice standard of the National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, 40 CFR 63, Subpart WWWW. Please refer to the following sections of the rule:

- Emission Limitations: 40 CFR 63.5805; 40 CFR 63, Subpart WWWW, Table 3, 40 CFR 63; and
- Work Practice Standards: 40 CFR 63.5805; 40 CFR 63, Subpart WWWW, Table 4.

[40 CFR 63.5805; 40 CFR 63, Subpart WWWW, Table 3 & Table 4]

***Operating Requirements***

3.8 Particulate Filter Requirement

Stacks A, B, E, F, G, H, I, and K shall be equipped with both Binks, or Protectaire filters, and Purolator pre-filter pads to minimize particulate emissions. The efficiency of the filters shall be no less than eighty-four percent (84%) for particulate matter (PM), and the efficiency of the pads shall be no less than seventy-two percent (72%) for PM<sub>10</sub>.

[PTC No. 001-00101, 12/28/00]

3.9 Mixing Room

The door to the mixing tank room shall remain closed while extenders and fillers are being added to the resin matrix.

[PTC No. 001-00101, 12/28/00]

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc
<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00101**

3.10 The permittee shall have developed, and make available to DEQ representatives upon request, an Operations and Maintenance (O&M) Manual for the dust chamber which describes the procedures that will be followed to 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 and the manufacturer's air pollution control device specifications. The O&M manual shall include, but not be limited to, the following provisions:

- Inspect the filters weekly for collapse.
- Replace filters when collapsed or otherwise not functioning properly.
- Inspect the dust chamber weekly to ensure that it is reasonably tight.
- Remove accumulated particulate from the dust chamber weekly.

**[PTC No. 001-00101, 12/28/00]**

3.11 Low-volume, low-pressure spray guns shall be used throughout the facility for gel-coat applications.

**[PTC No. 001-00101, 12/28/00]**

3.12 Each time that extenders or fillers are added to the resin matrix, the permittee shall record the date and time of the mixing along with the position of the door (i.e., open or closed).

**[IDAPA 58.02.02.322.06 (5/1/94)]**

3.13 All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.02.02.650 and .652.

**[IDAPA 58.02.02.650-651 (5/1/94); PTC No. 001-00101, 12/28/00]**

3.14 All reasonable precautions shall be taken to minimize fugitive VOC emissions due to cleanup of various containers, acetone/solvent reclaiming, batch mixing, bulk tank filter cleanup, and patch mixing.

**[PTC No. 001-00101, 12/28/00]**

3.15 MACT Compliance Demonstration Requirements

On and after the compliance date specified in 40 CFR 63.5800 and 40 CFR 63, Subpart WWWW, Table 2, the permittee shall comply with the applicable compliance demonstration requirements of the National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, 40 CFR 63, Subpart WWWW. Please refer to the following sections of the rule:

- Options For Meeting The Standards For Open Molding And Centrifugal Casting Operations At New And Existing Sources: 40 CFR 63.5810, 40 CFR 63.5897;
- General Compliance Requirements: 40 CFR 63.5835;
- Performance Test Or Other Initial Compliance Demonstration: 40 CFR 63.5840, 40 CFR 63.5845, 40 CFR 63.5850, 40 CFR 63.5860;
- Continuous Compliance Demonstration: 40 CFR 63.5895, 40 CFR 63.5900; and
- Recordkeeping: 40 CFR 63.5905, 40 CFR 63.5910, 40 CFR 63.5915, 40 CFR 63.5920.  
**[40 CFR 63.5800,5810, 5815, 5835, 5840, 5845, 5850, 5860, 5897, 5900, 5905, 5910, 5915, 5920]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc
<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00101**

**Monitoring and Recordkeeping Requirements**

3.16 The permittee shall maintain records which contain, but are not limited to, the following information: the name and identification number for each gel-coat, resin, adhesive, catalyst, paint, promoter, styrene, and wax used; the VOC, styrene, benzoyl peroxide, dichloromethane, and methyl ethyl ketone peroxide percent by weight of each compound; and gallons and pounds of gel-coat, resin, adhesive, catalyst, paint, promoter, styrene, and wax used. To verify information contained in the records, the permittee shall maintain all manufacturer/supplier specifications for each product used as well as delivery receipts specifying amounts of materials received at the facility. The records shall be kept on site for five years and shall be made available to DEQ representatives upon request.

**[PTC No. 001-00101, 12/28/00; IDAPA 58.02.02.322.07.c, 5/1/94]**

3.17 The permittee shall calculate, on a monthly basis, the monthly amount of styrene emitted from the facility utilizing the following method. For each product containing styrene, the Permittee shall determine the weight percent content of styrene and the amount of that product used each month for each specific application method. The permittee shall then use the table in Appendix A to determine an emission factor for the product and associated application method. The factor shall then be multiplied by the total monthly amount of product used in that application method. This procedure shall be followed for each product and for each method in which that product is applied. The total facility styrene emissions shall then be calculated by summing the emissions for each product-method combination. The total monthly styrene emissions shall not exceed the limits listed in Table 3.2. An example of how this calculation is to be conducted is provided following the table in Appendix A.

**[PTC No. 001-00101, 12/28/00]**

3.18 The permittee shall calculate, on a monthly basis, the styrene emissions from the facility for the previous consecutive 12-month period using the following method: The permittee shall sum the monthly styrene emissions, as determined by the method described in Section 3.6 of this permit, for the previous 12-month period and divide this number by 2,000 to convert to tons per any consecutive 12-month period (T/yr).

**[PTC No. 001-00101, 12/28/00]**

3.19 The permittee shall calculate, on a monthly basis, the monthly amount of VOCs emitted from the facility using the following method. The permittee shall calculate amount of VOCs contained in each gel-coat, resin, styrene, paint, and adhesive by multiplying the weight of each gel-coat, resin, styrene, paint, or adhesive used during the month by the weight percent (%wt) VOC contained in the gel-coat, resin, styrene, paint, or adhesive. The permittee shall then sum the total weight of VOC used in each gel-coat, resin, styrene, paint, and adhesive. This total, not including any styrene bound up in the product, shall equal the total VOCs emitted from the facility for the month, and shall not exceed the emission limits listed in Table 3.2 of this permit. The permittee shall use the equation listed in Appendix A for this calculation in order to demonstrate compliance with the monthly VOC emissions limit.

**[PTC No. 001-00101, 12/28/00]**

3.20 The permittee shall calculate, on a monthly basis, the VOC emissions from the facility for the previous consecutive 12-month period using the following method. The permittee shall sum the monthly VOC emissions, as determined in Section 3.4 of this permit, for the previous 12-month period and divide this number by 2,000 to convert to tons per year. The permittee shall use the equation listed in Appendix A for this calculation in order to show compliance with the annual VOC emissions.

**[PTC No. 001-00101, 12/28/00]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No. 001-00101</b>
<b>Location:</b>	Boise, Idaho	

3.21 The permittee shall conduct a quarterly facility-wide fugitive VOC emission inspection of potential sources of fugitive VOC emissions, under normal operating conditions to ensure that the methods used to reasonably control fugitive VOC emissions are effective. If fugitive VOC 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 VOC emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive VOC emissions are present, any corrective action taken in response to the fugitive VOC emissions, and the date the corrective action was taken.

**[IDAPA 58.02.02.322.06, .07, 5/1/94]**

3.22 The permittee shall develop, maintain, and make available to DEQ representatives upon request, records which contain, but are not limited to, the following information:

- Filter inspection
- Filter replacement
- Dust chamber inspection
- Particulate removal

**[PTC No. 001-00101, 12/28/00]**

### ***Reporting Requirements***

3.23 The permittee shall submit to DEQ annually a report which includes, but is not limited to: the amount of gel-coat and resin used in tons per any consecutive 12 month period (T/yr); the maximum styrene content of gel-coat used; the weighted average styrene content of gel-coat and resin used; and calculated VOC, styrene, benzoyl peroxide, dichloromethane, and methyl ethyl ketone peroxide emissions.

**[PTC No. 001-00101, 12/28/00]**

### 3.24 MACT Notifications And Reporting Requirements

On and after the compliance date specified in 40 CFR 63.5800 and 40 CFR 63, Subpart WWWW, Table 2, the permittee shall comply with the applicable notifications and reporting requirements of the National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, 40 CFR 63, Subpart WWWW. Please refer to the following sections of the rule:

- Notifications: 40 CFR 63.5905; 40 CFR 63, Subpart WWWW, Table 13;
- Initial Compliance Report: 40 CFR 63.5840; 40 CFR 63.5860; 40 CFR 63.5910; and
- Semiannual Report: 40 CFR 63.5910.

**[40 CFR 63.5800, 5840, 5860, 5905, 5910; 40 CFR 63, Subpart WWWW, Table 2 and 13]**

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<b>Location:</b>	Boise, Idaho	

**4. INSIGNIFICANT ACTIVITIES**

Activities and emission units identified as insignificant under IDAPA 58.02.02.317.01(b) are listed in the Tier I operating permit to qualify for a permit shield.

**Table 4.1 INSIGNIFICANT ACTIVITIES**

<b>Description</b>	<b>Insignificant Activities IDAPA 58.02.02.317.01(b)(I) Citation</b>
Welding not using more than one (1) ton per day of welding rod	9
Storage and handling of water based lubricants for metal working where the organic content of the lubricant is less than ten percent (10%)	27
Combustion sources, less than five million (5,000,000) Btu/hr, exclusively using natural gas	5

4.1 There are no monitoring, recordkeeping, or reporting requirements for insignificant emission units or activities beyond those required in the Facility-wide Permit Conditions.

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<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00101**

## 5. TIER I OPERATING PERMIT GENERAL PROVISIONS

### **General Compliance**

1. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application.  
[IDAPA 58.02.02.322.15.a, 5/1/94; 40 CFR 70.6(a)(6)(i)]
2. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the terms and conditions of this permit.  
[IDAPA 58.02.02.322.15.b, 5/1/94; 40 CFR 70.6(a)(6)(ii)]
3. Any permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.  
[IDAPA 58.02.02.315.01, 5/1/94; 40 CFR 70.5(b)]

### **Reopening**

4. This permit may be revised, reopened, revoked and reissued, or terminated for cause. Cause for reopening exists under any of the circumstances listed in IDAPA 58.02.02.386. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable in accordance with IDAPA 58.02.02.360 through 369.  
[IDAPA 58.02.02.322.15.c, 5/1/94; IDAPA 58.02.02.386, 3/19/99; 40 CFR 70.7(f)(1), (2); 40 CFR 70.6(a)(6)(iii)]
5. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
[IDAPA 58.02.02.322.15.d, 5/1/94; 40 CFR 70.6(a)(6)(iii)]

### **Property Rights**

6. This permit does not convey any property rights of any sort, or any exclusive privilege.  
[IDAPA 58.02.02.322.15.e, 5/1/94; 40 CFR 70.6(a)(6)(iv)]

### **Information Requests**

7. The permittee shall furnish all information requested by DEQ, within a reasonable time, that DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.  
[Idaho Code §39-108; IDAPA 58.02.02.122, 4/5/00; IDAPA 58.02.02.322.15.f, 4/5/00; 40 CFR 70.6(a)(6)(v)]
8. Upon request, the permittee shall furnish to DEQ copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §39-342A and applicable implementing regulations including IDAPA 58.02.02.128.  
[IDAPA 58.02.02.322.15.g, 5/1/94; IDAPA 58.02.02.128, 4/5/00; 40 CFR 70.6(a)(6)(v)]

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**Severability**

9. 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 58.02.02.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]**

**Changes Requiring Permit Revision or Notice**

10. The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under IDAPA 58.02.02.213, or complying with IDAPA 58.02.02.220 through 223. The permittee shall comply with IDAPA 58.02.02.380 through 386 as applicable.

**[IDAPA 58.02.02.200-223, 4/6/05; IDAPA 58.02.02.322.15.i, 3/19/99; IDAPA 58.02.02.380-386, 7/1/02; 40 CFR 70.4(b)(12), (14), (15), and 70.7(d), (e)]**

11. Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under Title IV of the CAA, 42 U.S.C. Section 7651 through 7651c, or are modifications under Title I of the CAA, 42 U.S.C. Section 7401 through 7515. Administrative amendments (IDAPA 58.02.02.381), minor permit modifications (IDAPA 58.02.02.383), and significant permit modifications (IDAPA 58.02.02.382) require a revision to the Tier I operating permit. IDAPA 58.02.02.502(b)(10) changes are authorized in accordance with IDAPA 58.02.02.384. Off-permit changes and required notice are authorized in accordance with IDAPA 58.02.02.385.

**[IDAPA 58.02.02.381-385, 7/1/02; IDAPA 58.02.02.209.05, 4/5/00; 40 CFR 70.4(b)(14) and (15)]**

**Federal and State Enforceability**

12. Unless specifically identified as a "State-only" provision, all terms and conditions in this permit, including any terms and conditions designed to limit a source's potential to emit, are enforceable: (i) by DEQ in accordance with state law; and (ii) by the United States or any other person in accordance with federal law.

**[IDAPA 58.02.02.322.15.j, 5/1/94; 40 CFR 70.6(b)(1) and (2)]**

13. Provisions specifically identified as a "State-only" provision are enforceable only in accordance with state law. "State-only" provisions are those that are not required under the Federal Clean Air Act or under any of its applicable requirements or those provisions adopted by the state prior to federal approval.

**[Idaho Code §39-108; IDAPA 58.02.02.322.15.k, 3/23/98]**

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<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00101**

***Inspection and Entry***

14. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
- a. Enter upon the permittee's premises where a Tier I source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
  - b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - d. 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; IDAPA 58.02.02.322.15.i, 3/19/99; 40 CFR 70.6(c)(2)]**

***New Requirements During Permit Term***

15. The permittee shall comply with applicable requirements that become effective during the permit term on a timely basis.

**[IDAPA 58.02.02.322.10, 4/6/05; IDAPA 58.02.02.314.10.a.ii, 5/1/94;  
40 CFR 70.6(c)(3) citing 70.5(c)(8)]**

***Fees***

16. The owner or operator of a Tier I source shall pay annual registration fees to DEQ in accordance with IDAPA 58.02.02.525 through IDAPA 58.02.02.538.

**[IDAPA 58.02.02.322.15.n, 7/1/02; 40 CFR 70.6(a)(7)]**

***Certification***

17. All documents submitted to DEQ shall be certified in accordance with IDAPA 58.02.02.123 and comply with IDAPA 58.02.02.124.

**[IDAPA 58.02.02.322.15.o, 5/1/94; 40 CFR 70.6(a)(3)(iii)(A); 40 CFR 70.5(d)]**

***Renewal***

18. a. The owner or operator of a Tier I source shall submit an application to DEQ for a renewal of this permit at least six months before, but no earlier than 18 months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine months prior to the date of expiration.
- b. If a timely and complete application for a Tier I operating permit renewal is submitted, but DEQ fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit including any permit shield that may have been granted pursuant to IDAPA 58.02.02.325 shall remain in effect until the renewal permit has been issued or denied.

**[IDAPA 58.02.02.313.03, 4/5/00; 40 CFR 70.5(a)(1)(iii)]**

**[IDAPA 58.02.02.322.15.p, 5/1/94; 40 CFR 70.7(b)]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

<b>Permittee:</b>	Fiberglass Systems, Inc	<b>Facility ID No. 001-00101</b>
<b>Location:</b>	Boise, Idaho	

**Permit Shield**

19. Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
- a. Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
    - i. DEQ has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.02.02.325.01(b) have been met.
  - b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.02.02.382.04 (administrative amendments incorporating the terms of a permit to construct), IDAPA 58.02.02.382.04 (significant modifications), and IDAPA 58.02.02.384.03 (trading under an emissions cap).
  - c. Nothing in this permit shall alter or affect the following:
    - i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;
    - ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
    - iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
    - iv. The ability of EPA to obtain information from a source pursuant to Section 114 of the CAA; or the ability of DEQ to obtain information from a source pursuant to Idaho Code §39-108 and IDAPA 58.02.02.122.

**[Idaho Code §39-108 and 112; IDAPA 58.02.02.122, 4/5/00;  
IDAPA 58.02.02.322.15.m, 325, 5/1/94; IDAPA 58.02.02.325, 3/19/99;  
IDAPA 58.02.02.382.04, 382.04, 383.05, 384.03, 385.03, 3/19/99; 40 CFR 70.6(f)]**

**Compliance Schedule and Progress Reports**

20. a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
- b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
- c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.
- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.
- [IDAPA 58.02.02.322.10, 4/5/00; IDAPA 58.02.02.314.9, 5/1/94; IDAPA 58.02.02.314.10, 4/5/00;  
40 CFR 70.6(c)(3) and (4)]**

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<b>Permittee:</b>	Fiberglass Systems, Inc
<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00101**

***Periodic Compliance Certification***

21. The permittee shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:
- a. The compliance certifications for all emissions units shall be from June 7 to June 6 and submitted annually on July 7, or more frequently, if specified by the underlying applicable requirement or elsewhere in this permit by DEQ.
  - b. The initial compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
  - c. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
    - i. The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
    - ii. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this Tier I operating permit. If necessary, the owner or operator shall identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the CAA which prohibits knowingly making a false certification or omitting material information;
    - iii. The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Paragraph 22.c.ii above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred.
    - iv. Such other facts as DEQ may require to determine the compliance status of the source.
  - d. All original compliance certifications shall be submitted to DEQ and a copy of all compliance certifications shall be submitted to the EPA.

**[IDAPA 58.02.02.322.11, 4/6/05; 40 CFR 70.6(c)(5)(iii) as amended,  
62 Fed. Reg. 54900, 54946 (10/22/97); 40 CFR 70.6(c)(5)(iv)]**

***False Statements***

22. 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 58.02.02.125, 3/23/98]**

***No Tampering***

23. 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 58.02.02.126, 3/23/98]**

**AIR QUALITY TIER I OPERATING PERMIT NUMBER: T1-040049**

**Permittee:** Fiberglass Systems, Inc

**Location:** Boise, Idaho

**Facility ID No. 001-00101**

***Semiannual Monitoring Reports***

24. In addition to all applicable reporting requirements identified in this permit, the permittee shall submit reports of any required monitoring at least every six months. The permittee's semiannual reporting periods shall be from January 2 to June 2 and June 3 to January 1. All instances of deviations from this operating permit's requirements must be clearly identified in the report. The semiannual reports shall be submitted to DEQ within 30 days of the end of the specified reporting period.

[IDAPA 58.02.02.322.15.q, 3/23/98; IDAPA 58.02.02.322.08.c,  
4/5/00; 40 CFR 70.6(a)(3)(iii)]

***Reporting Deviations and Excess Emissions***

25. The permittee shall promptly report all deviations from permit requirements including upset conditions, their probable cause, and any corrective actions or preventive measures taken. For excess emissions, the report shall be made in accordance with IDAPA 58.02.02.130-136. For all other deviations, the report shall be made in accordance with IDAPA 58.02.02.322.08.c, unless otherwise specified in this permit.

[IDAPA 58.02.02.322.15.q, 3/23/98; IDAPA 58.02.02.135, 4/5/00; 40 CFR 70.6(a)(3)(iii)]

***Permit Revision Not Required***

26. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit.

[IDAPA 58.02.02.322.05.b, 4/5/00; 40 CFR 70.6(a)(8)]

***Emergency***

27. In accordance with IDAPA 58.02.02.332, an "emergency" as defined in IDAPA 58.02.02.008, constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.02.02.332.02 are met.

[IDAPA 58.02.02.332.01, 4/5/00; 40 CFR 70.6(g)]

## APPENDIX A—EMISSIONS CALCULATIONS

**A.1 Styrene Emissions Calculations**

Resin or Gel Coat Styrene Content % Wt.	Manual Resin Application		Mechanical Resin Application						Gel Coat Application		Filament Winding	
	Bucket & Tool		Uncontrolled Spray		Controlled Spray		Non-Atomized Application		Uncontrolled spray	Controlled Spray	Non-Vaper Suppressed	Vaper Suppressed
	Non-Vaper Suppressed	Vaper Suppressed	Non-Vaper Suppressed	Vaper Suppressed	Non-Vaper Suppressed	Vaper Suppressed	Non-Vaper Suppressed	Vaper Suppressed				
33%	4.1%	2.8%	5.6%	3.4%	4.3%	2.7%	2.8%	2.8%	14.7%	10.7%	6.1%	4.0%
34%	4.4%	2.8%	6.3%	3.9%	4.8%	3.0%	3.2%	2.0%	15.7%	12.5%	6.4%	4.1%
35%	4.7%	2.9%	7.0%	4.3%	5.4%	3.3%	3.6%	2.2%	16.8%	12.2%	6.6%	4.3%
36%	5.0%	2.9%	7.7%	4.8%	5.9%	3.7%	3.9%	2.4%	17.8%	13.0%	6.9%	4.5%
37%	5.3%	2.9%	8.4%	5.2%	6.5%	4.0%	4.3%	2.7%	18.8%	13.7%	7.2%	4.7%
38%	5.3%	3.0%	9.7%	5.7%	7.0%	4.4%	4.7%	2.9%	19.9%	14.5%	7.5%	4.8%
39%	5.9%	3.0%	9.8%	6.1%	7.6%	4.7%	5.0%	3.1%	20.9%	15.3%	7.7%	5.0%
40%	6.2%	3.1%	10.6%	6.5%	8.1%	5.0%	5.4%	3.3%	22.9%	16.0%	8.0%	5.2%
41%	6.4%	3.1%	12.3%	7.0%	8.7%	5.4%	5.7%	3.6%	33.0%	16.8%	8.3%	5.4%
42%	6.7%	3.2%	12.0%	7.4%	9.2%	5.7%	6.1%	3.8%	24.0%	17.5%	8.6%	5.6%
43%	7.0%	3.2%	12.7%	7.9%	9.8%	6.1%	6.5%	4.0%	25.0%	18.3%	8.8%	5.7%
44%	7.3%	3.3%	13.4%	8.3%	10.3%	6.4%	6.8%	4.2%	26.1%	19.0%	9.1%	5.9%
45%	7.6%	3.3%	14.1%	8.8%	10.9%	6.7%	7.2%	4.5%	27.1%	19.8%	9.4%	6.1%
46%	7.9%	3.3%	14.8%	9.2%	12.4%	7.1%	7.6%	4.7%	28.2%	20.6%	9.7%	6.3%
47%	8.2%	3.4%	15.6%	9.6%	12.0%	7.4%	7.9%	4.9%	29.2%	22.3%	9.9%	6.5%
48%	8.4%	3.4%	16.3%	10.1%	12.5%	7.8%	8.3%	5.1%	30.2%	22.1%	10.2%	6.6%
49%	8.7%	3.5%	17.0%	10.5%	13.1%	8.1%	8.7%	5.4%	32.3%	22.8%	10.5%	6.8%
50%	9.0%	3.5%	17.7%	12.0%	13.6%	8.4%	9.0%	5.6%	32.3%	23.6%	10.8%	7.0%
51%	9.3%	3.6%	18.4%	12.4%	14.2%	8.8%	9.3%	5.8%	33.3%	24.3%	12.0%	7.2%
52%	9.6%	3.6%	19.1%	12.8%	14.7%	9.1%	9.7%	6.0%	34.4%	25.1%	12.3%	7.4%
53%	9.9%	3.7%	19.8%	12.3%	15.3%	9.5%	10.1%	6.3%	35.4%	25.9%	12.6%	7.5%
54%	10.2%	3.7%	20.5%	12.7%	15.8%	9.8%	10.4%	6.5%	36.4%	26.6%	12.9%	7.7%
55%	10.5%	3.7%	22.2%	13.2%	16.4%	10.1%	10.8%	6.7%	37.5%	27.4%	12.1%	7.9%
56%	10.7%	3.8%	22.9%	13.6%	16.9%	10.5%	12.2%	6.9%	38.5%	28.1%	12.4%	8.1%
57%	12.0%	3.8%	22.3%	14.5%	17.5%	10.8%	12.5%	7.2%	39.5%	28.9%	12.7%	8.3%
58%	12.3%	3.9%	23.3%	14.9%	18.0%	12.2%	12.9%	7.4%	40.6%	29.6%	13.0%	8.4%
59%	12.6%	3.9%	24.0%	15.3%	18.6%	12.5%	12.3%	7.6%	42.6%	30.4%	13.2%	8.6%
60%	12.9%	4.0%	24.7%	15.8%	19.1%	12.8%	12.6%	7.8%	42.6%	32.2%	13.5%	8.8%
61%	12.2%	4.0%	25.4%	16.2%	19.7%	12.2%	13.0%	8.1%	43.7%	32.9%	13.8%	9.0%
62%	12.5%	4.1%	26.1%	16.7%	20.2%	12.5%	13.4%	8.3%	44.7%	32.7%	14.1%	9.2%
63%	12.8%	4.1%	26.8%	17.1%	20.8%	12.9%	13.7%	8.5%	45.7%	33.4%	14.3%	9.3%
64%	13.0%	4.1%	27.5%	17.6%	22.3%	13.2%	14.1%	8.7%	46.8%	34.2%	14.6%	9.5%
65%	13.3%	4.2%	28.2%	18.0%	22.9%	13.5%	14.5%	9.0%	47.8%	34.9%	14.9%	9.7%
66%	13.6%	4.2%	28.9%	18.4%	22.4%	13.9%	14.8%	9.2%	48.8%	35.7%	15.2%	9.9%
67%	13.9%	4.3%	29.6%	18.9%	23.0%	14.2%	15.2%	9.4%	49.9%	36.5%	15.4%	10.1%
68%	14.2%	4.3%	30.3%	19.3%	23.5%	14.6%	15.6%	9.6%	50.9%	37.2%	15.7%	10.2%
69%	14.5%	4.4%	32.0%	19.8%	24.1%	14.9%	15.9%	9.9%	52.9%	38.0%	16.0%	10.4%
70%	14.8%	4.4%	32.7%	20.2%	24.6%	15.2%	16.3%	10.1%	53.0%	38.7%	16.3%	10.6%
71%	15.1%	4.5%	32.4%	20.7%	25.2%	15.6%	16.7%	10.3%	54.0%	39.5%	16.5%	10.8%

Resin or Gel Coat Styrene Content % Wt.	Manual Resin Application			Mechanical Resin Application						Gel Coat Application		Filament Winding	
	Bucket & Tool			Uncontrolled Spray		Controlled Spray		Non-Atomized Application		Uncontrolled spray	Controlled Spray	Non-Vapor Suppressed	Vapor Suppressed
	Non-Vapor Suppressed	Vapor Suppressed		Non-Vapor Suppressed	Vapor Suppressed	Non-Vapor Suppressed	Vapor Suppressed	Non-Vapor Suppressed	Vapor Suppressed				
72%	15.3%	4.5%	33.1%	22.1%	15.9%	25.7%	15.9%	17.0%	10.5%	55.0%	40.2%	16.8%	12.0%
73%	15.6%	4.5%	33.8%	22.5%	16.3%	26.3%	16.3%	17.4%	10.8%	56.1%	42.0%	17.1%	12.1%
74%	15.9%	4.6%	34.5%	20.0%	16.6%	26.8%	16.6%	17.8%	12.0%	57.1%	42.8%	17.4%	12.3%
75%	16.2%	4.6%	35.2%	20.4%	16.9%	27.4%	16.9%	18.1%	12.2%	58.1%	42.7%	17.6%	12.5%
76%	16.5%	4.7%	35.9%	20.9%	17.3%	27.9%	17.3%	18.5%	12.4%	59.2%	43.5%	17.9%	12.7%
77%	16.8%	4.7%	36.6%	22.3%	17.6%	28.5%	17.6%	18.9%	12.7%	60.2%	44.2%	18.2%	12.9%
78%	17.1%	4.8%	37.3%	22.8%	18.0%	29.0%	18.0%	19.2%	12.9%	62.2%	45.0%	18.5%	12.0%
79%	17.4%	4.8%	38.0%	22.2%	18.3%	29.6%	18.3%	19.6%	12.1%	62.3%	45.7%	18.7%	12.2%
80%	17.6%	4.9%	38.7%	22.6%	18.6%	30.1%	18.6%	20.0%	12.3%	63.3%	46.5%	19.0%	12.4%
81%	17.9%	4.9%	39.4%	23.1%	19.0%	30.7%	19.0%	20.3%	12.6%	64.3%	47.3%	19.3%	12.6%
82%	18.2%	4.9%	40.1%	23.5%	19.3%	32.2%	19.3%	20.7%	12.8%	65.4%	48.0%	19.6%	12.8%
83%	18.5%	5.0%	40.8%	24.0%	19.7%	32.8%	19.7%	22.1%	13.0%	66.4%	48.8%	19.8%	12.9%
84%	18.8%	5.0%	42.5%	24.4%	20.0%	32.3%	20.0%	22.4%	13.2%	67.4%	49.5%	20.1%	13.1%
85%	19.1%	5.1%	42.2%	24.9%	20.3%	32.9%	20.3%	22.8%	13.5%	68.5%	50.3%	20.4%	13.3%
86%	19.4%	5.1%	42.9%	25.3%	20.7%	33.4%	20.7%	22.2%	13.7%	69.5%	52.0%	20.7%	13.5%
87%	19.7%	5.2%	43.6%	25.7%	22.0%	34.0%	22.0%	22.5%	13.9%	70.5%	52.8%	20.9%	13.7%
88%	19.9%	5.2%	44.3%	26.2%	22.4%	34.5%	22.4%	22.9%	14.1%	72.6%	52.6%	22.2%	13.8%
89%	20.2%	5.3%	45.0%	26.6%	22.7%	35.1%	22.7%	23.3%	14.4%	72.6%	53.3%	22.5%	14.0%
90%	20.5%	5.3%	45.7%	27.1%	22.0%	35.6%	22.0%	23.6%	14.6%	73.6%	54.1%	22.8%	14.2%
91%	20.8%	5.3%	46.4%	27.5%	22.4%	36.2%	22.4%	24.0%	14.8%	74.7%	54.8%	22.0%	14.4%
92%	22.1%	5.4%	47.1%	30.0%	22.7%	36.7%	22.7%	24.4%	15.0%	75.7%	55.6%	22.3%	14.6%
93%	22.4%	5.4%	47.8%	30.4%	23.1%	37.3%	23.1%	24.7%	15.3%	76.7%	56.3%	22.6%	14.7%
94%	22.7%	5.5%	48.5%	30.8%	23.4%	37.8%	23.4%	25.1%	15.5%	77.8%	57.1%	22.9%	14.9%
95%	22.0%	5.5%	49.2%	32.3%	23.7%	38.4%	23.7%	25.5%	15.7%	78.8%	57.9%	23.1%	15.1%
96%	22.2%	5.6%	49.9%	32.7%	24.1%	38.9%	24.1%	25.8%	15.9%	79.8%	58.6%	23.4%	15.3%
97%	22.5%	5.6%	50.6%	32.2%	24.4%	39.5%	24.4%	26.2%	16.2%	80.9%	59.4%	23.7%	15.5%
98%	22.8%	5.7%	52.3%	32.6%	24.8%	40.0%	24.8%	26.6%	16.4%	82.9%	60.1%	24.0%	15.6%
99%	23.1%	5.7%	52.0%	33.1%	25.1%	40.6%	25.1%	26.9%	16.6%	82.9%	60.9%	24.2%	15.8%
100%	23.4%	5.7%	52.7%	33.5%	25.4%	42.1%	25.4%	27.3%	16.8%	84.0%	62.6%	24.5%	16.0%

**Percentage Emission**  
2. Select Resin Styrene Content (% wt Styrene Monomer)  
2. Select application method  
3. Select Non-Vapor Suppressed or Vapor Suppressed  
4. Find factor in table

**Emissions Calculation**  
Resin wt. X Emissions Factor = Emissions wt.

**Example:**  
1000 lbs. Resin X 8.1% Emissions factor = 81 lbs. Emissions

**Example:**  
Resin styrene content = 40%  
Mechanical Application/Controlled Spray  
Non-Vapor Suppressed  
Emissions factor = 8.1% of Resin wt.

## A.2 Monthly VOC Emissions Determination Equation

The following equation shall be used to calculate the monthly VOC emissions rate in accordance with Section 2.4 of the permit.

$$VOC_m = \sum_{i=1}^n (X_i \times Y_i)$$

Where:

- VOC<sub>m</sub> = monthly VOC emission rate (lb/mo)
- X<sub>i</sub> = weight of gel-coat, resin, styrene, paint or adhesive i used per month (lb/mo)
- Y<sub>i</sub> = weight percent VOC in gel-coat, resin, styrene paint, or adhesive i
- n = number of gel-coats, resins, styrenes, paints, and adhesives

## A.3 Annual VOC Emissions Determination Equation

The following equation shall be used to calculate the annual VOC emissions rate in accordance with Section 2.5 of the permit.

$$VOC_a = \frac{\left( \sum_{i=1}^n (VOC_{m_i}) \right)}{2000}$$

Where:

- VOC<sub>a</sub> = annual VOC emissions rate (T/yr)
- (VOC<sub>m</sub>)<sub>i</sub> = monthly styrene emissions rate for month i
- 2000 = conversion factor from pounds to tons
- n = number of months (12)