



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

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

C.L. "Butch" Otter, Governor  
John H. Tippetts, Director

September 18, 2015

Bill Young, President  
Alternative Environmental Systems, LLC  
350 NW Recycle Road  
Mayfield, ID 83716

RE: Facility ID No. 039-00029, Alternative Environmental Systems, LLC, Mayfield, Final Permit Letter

Dear Mr. Young:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2014.0040 Project 61445 to Alternative Environmental Systems, LLC located at Mayfield for a pyrolysis 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 January 7, 2015.

This permit is effective immediately. This permit does not release Alternative Environmental Systems, 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. Please provide this information as listed to DEQ's Boise Regional Office, 1445 N. Orchard, Boise ID 83706, Fax (208) 373-0287.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with 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 Randy Stegen at (208) 373-0502 or [randy.stegen@deq.idaho.gov](mailto:randy.stegen@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

MSRS

Permit No. P-2014.0040 PROJ 61445

Enclosures

# AIR QUALITY

## PERMIT TO CONSTRUCT

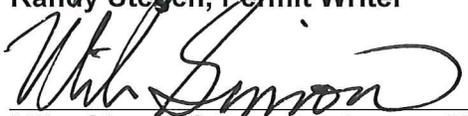
**Permittee** Alternative Environmental Systems, LLC  
**Permit Number** P-2014.0040  
**Project ID** 61445  
**Facility ID** 039-00029  
**Facility Location** 350 NW Recycle Drive, Mayfield, ID 83716

### 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 18, 2015

  
Randy Stegen, Permit Writer

  
Mike Simon, Stationary Source Manager

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# 1 Permit Scope

## Purpose

1.1 This is the initial permit to construct (PTC) for a pyrolysis facility that consists of two diesel fired pyrolysis retorts, a gas flare, a dust control baghouse, a Jet Mill baghouse, and a diesel internal combustion (IC) emergency engine.

## 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	<u>Two Pyrolysis Retorts</u>	None
	Manufacturer: Industrial Fabrication Company	
	Manufacture Date: 2013	
	Max. Production: 3,000 lb/batch (each)	
	Allowable Fuel: Diesel #2	
3	<u>Flare</u>	<u>Sulfur Scrubber</u>
	Manufacturer: Hero	
	Manufacture Date: 2014	
	Aux. Fuel: Propane	
	Fuel Consumption: 250 scf/hr	
4	<u>Dust Control Baghouse</u>	N/A
	Manufacturer: UAS	
	Model: SFC 16	
	Type: Cartridge	
	Cartridges: 16	
	PM <sub>10</sub> Control Efficiency: 99.9%	
	<u>Jet Mill Baghouse</u>	N/A
	Manufacturer: MAC Process	
	Model: 24SER4 Style III	
	Type: Cartridge	
Cartridges: 4		
PM <sub>10</sub> Control Efficiency: 99.99%		
5	<u>Emergency IC Engine</u>	None
	Manufacturer: John Deere	
	Model: 6068HF285	
	Manufacture Date: 2005	
	Horsepower: 197	
	Fuel: Diesel	

## 2 Pyrolysis Retorts

### 2.1 Process Description

Two pyrolysis retorts are used to convert waste tires or other carbon-based offal into recoverable materials that may include steel, oil, gas, and char material through a pyrolysis process. The retorts are heated with diesel fueled burners.

### 2.2 Control Device Descriptions

Table 2.1 Pyrolysis Retorts Description

Emissions Units / Processes	Control Devices	Emission Points
Two Pyrolysis Retorts	None	Retort Exhaust Stack

### Emission Limits

#### 2.3 Emission Limits

The emissions from the pyrolysis retorts stack shall not exceed any corresponding emissions rate limits listed in Table 2.2.

Table 2.2 Pyrolysis Retorts Emission Limits

Source Description	PM <sub>10</sub> <sup>(b)</sup>		SO <sub>2</sub>		NO <sub>x</sub>		CO		VOC	
	lb/hr <sup>(c)</sup>	T/yr <sup>(d)</sup>	lb/hr <sup>(c)</sup>	T/yr <sup>(d)</sup>	lb/hr <sup>(c)</sup>	T/yr <sup>(d)</sup>	lb/hr <sup>(c)</sup>	T/yr <sup>(d)</sup>	lb/hr <sup>(c)</sup>	T/yr <sup>(d)</sup>
Pyrolysis Retorts	0.07	0.32	1.07	1.94	0.72	1.31	0.15	0.27	0.02	0.07

- a In absence of any other credible evidence, compliance is ensured by complying with permit operating, monitoring, and record keeping requirements.
- b Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
- c Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157, EPA reference test method, continuous emission monitoring system (CEMS) data, or DEQ-approved alternative.
- d Tons per any consecutive 12-calendar month period.

#### 2.4 Opacity Limit

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

#### 2.5 Grain Loading

The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen by volume for liquid fuels.

### Operating Requirements

#### 2.6 Pyrolysis Retorts Operating Limits

To demonstrate compliance with Permit Condition 2.3 Emission Limits, operation of the pyrolysis retorts shall not exceed any of the following parameters:

- Two pyrolysis batches per day for each retort
- 6,000 pounds of tires or other carbon-based offal pyrolyzed per calendar day for each retort
- 30 gallons of diesel fuel consumed per hour in the retort burners

#### 2.7 Pyrolysis Retort Fuel Requirement

The two pyrolysis retorts shall be fueled exclusively with ULSD fuel.

## **Fuel Specifications**

### **2.8 ULSD Fuel Specifications**

ULSD fuel oil is fuel which meets ASTM Grades 1 or 2, or a mixture of ASTM Grades 1 and 2, and which has a maximum sulfur content of 0.0015% (15 ppm) by weight.

## **Monitoring and Recordkeeping Requirements**

### **2.9 Pyrolysis Retorts Operation Recordkeeping**

The permittee shall monitor and record retort operation in hours per day, description of the type of material being processed in the retort, batches per day, and the type and amount of fuel used each day.

### **2.10 Fuel Specifications Recordkeeping**

On an as-received basis for each shipment of distillate fuel oil for the boilers, the permittee shall maintain supplier verified and certified information on percent sulfur content by weight of the fuel.

### 3 Flare

#### 3.1 Process Description

The flare is used for the destruction of syngas that is produced in the pyrolysis process. An induced draft fan is used to pull Syngas from the retorts through the condensers, storage vessels, and scrubber where it is vented to the flare. Two thermocouple sensors in the flare stack continuously monitor operations. Propane is used to maintain a pilot flame and as auxiliary flare fuel as needed.

#### 3.2 Control Device Descriptions

Table 3.1 Flare Description

Emissions Units / Processes	Control Devices	Emission Points
Flare	<u>Sulfur Scrubber</u> Manufacturer: Proprietary Type: Wet Scrubber with Alkaline Solution and Iron Oxide Bed	Flare Exhaust

#### Emission Limits

#### 3.3 Opacity Limit

Emissions from the flare stack, or any other stack, vent, or functionally equivalent opening associated with the flare, 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

#### 3.4 Flare and Sulfur Scrubber Operations and Maintenance Manual (O&M)

The permittee shall develop, maintain, and follow an O&M manual for the flare and sulfur scrubber. The O&M manual shall describe the procedures that will be followed to comply with the General Compliance General Provisions of this permit, the manufacturer’s specifications, and all other permit requirements for the flare and sulfur scrubber. The manual 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.

At a minimum, the O&M manual shall:

- Be based on manufacturer’s information to the extent practical. When the manufacturer’s information is not used, other supporting information such as operating parameters measured during a successful performance test shall be included in the manual.
- Include procedures to determine if the sulfur scrubber solution has reached, or is close to reaching, its maximum saturation level for removal of H<sub>2</sub>S. These procedures shall include monitoring of the hours of operation on each batch of scrubber solution and the iron oxide bed, monitoring of the specific gravity and pH of the scrubber solution, monitoring of the condition of the iron oxide bed, and monitoring of H<sub>2</sub>S concentrations at the flare stack test port. The O&M manual shall specify an acceptable range for the specific gravity and pH of the scrubber solution and an acceptable range for H<sub>2</sub>S concentrations at the flare stack test port to indicate that the scrubber solution has not reached its maximum saturation level.
- Include the frequency that the physical inspections are to occur.
- Include a record of the results of each inspection and any corrective action taken in response to the results of the inspection.

The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

### **3.5 Flare Ignition System**

The permittee shall maintain and operate a flare during operation of the pyrolysis retorts. A flame shall be present at all times when combustible gases are vented through the flare. The outlet of the flare shall be equipped with an automatic ignition system, or, shall operate with a pilot flame present at all times when combustible gases are vented through the flare.

## **Monitoring and Recordkeeping Requirements**

### **3.6 Opacity Monitoring**

The permittee shall conduct a quarterly inspection of visible emissions from the flare during daylight hours and under normal operating conditions. The inspection shall be performed in accordance with Method 9 and the procedures outlined in IDAPA 58.01.01.615. 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 3 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 emissions 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. The visible emissions inspection is not required when the flare is not in operation. Records of this information shall be kept on site for the most recent two year period and shall be made available to DEQ representatives upon request.

### **3.7 Flare Ignition System Monitoring**

The permittee shall install, maintain, and operate a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an alternative equivalent device, capable of continuously detecting that the flare flame is present. The permittee shall record, each day that the flare is in operation, the applicable parameters of the heat sensing device that indicate that a flame is present. These records shall be kept on site for the most recent two year period and shall be made available to DEQ representatives upon request.

## 4 Baghouses

### 4.1 Process Description

Char material produced in the pyrolysis retorts may be processed in the wire separation unit and then the primary crusher. These units are vented to the dust control baghouse for control of particulate matter emissions. Char material may be milled to final specifications in the Jet Mill, which is vented to the Jet Mill baghouse. The Jet Mill baghouse is used for product recovery and particulate matter control.

### 4.2 Control Device Descriptions

Table 4.1 Baghouses Description

Emissions Units / Processes	Control Devices	Emission Points
Dust Control Baghouse	N/A	Baghouse Outlet
Jet Mill Baghouse	N/A	Baghouse Outlet

### Emission Limits

#### 4.3 Opacity Limit

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

#### 4.4 Baghouse Operations and Maintenance Manual

The permittee shall develop and maintain an Operations and Maintenance (O&M) manual for the baghouses, which describes the procedures that will be followed to comply with the General Compliance General Provisions of this permit, the manufacturer's specifications, and all other permit requirements for the process baghouses. The manual 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.

At a minimum, the O&M manual shall:

- Be based on manufacturer's information to the extent practical. When the manufacturer's information is not used, other supporting information such as operating parameters measured during a successful performance test shall be included in the manual.
- Include procedures to determine if bags or cartridges are ruptured and if bags or cartridges are not appropriately secured in place.
- Include the frequency that the physical inspections are to occur.
- Include a record of the results of each inspection and any corrective action taken in response to the results of the inspection.

The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

#### 4.5 Dust Control Baghouse Filter Requirements

The dust control baghouse shall be equipped with filter cartridges which have a collection efficiency equal to or greater than 99.9% for PM<sub>10</sub>.

#### 4.6 Jet Mill Baghouse Filter Requirements

The Jet Mill baghouse shall be equipped with filter cartridges which have a collection efficiency equal to or greater than 99.99% for PM<sub>10</sub>.

## **Monitoring and Recordkeeping Requirements**

### **4.7 Recordkeeping Requirement**

The permittee shall comply with the requirements of the Monitoring and Recordkeeping General Provision.

## 5 Emergency IC Engine

### 5.1 Process Description

An emergency diesel IC engine is used to power an electric generator to provide backup power to the facility in the event of a power interruption. In addition to power outages, the emergency engine is operated weekly for approximately 30 minutes for testing and maintenance. The engine is subject to NESHAP 40 CFR 60, Subpart IIII requirements.

### 5.2 Control Device Descriptions

Table 5.1 Emergency Engine Description

Emissions Units / Processes	Control Devices	Emission Points
Emergency Diesel IC Engine	None	IC Engine Exhaust Stack

## Emission Limits

### 5.3 Opacity Limit

Emissions from the emergency IC engine stack, or any other stack, vent, or functionally equivalent opening associated with the emergency IC engine, 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.

### 5.4 Emission Standards

In accordance with 40 CFR 60.4205 and 60.4206, the permittee must comply with the emission standards in Table 1 to this subpart over the entire life of the engine.

Table 5.2 Table 1 to Subpart IIII of Part 60 – NO<sub>x</sub>, CO, PM, and HC Emission Standards

Engine type and fuel	Maximum engine power	Manufacture date	Emission Standards <sup>(a)</sup>			
			g/hp-hr			
			NO <sub>x</sub>	CO	PM	HC
Pre-2007 Engine with a Displacements of < 10 L per cylinder	175≤HP<300	Pre-2007	9.2	11.4	0.54	1.3

## Operating Requirements

### 5.5 Fuel Requirements

In accordance with 40 CFR 60.4207, the emergency IC engine shall only use ULSD diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

### 5.6 ULSD Fuel Specifications

ULSD fuel oil is fuel which meets ASTM Grades 1 or 2, or a mixture of ASTM Grades 1 and 2, and which has a maximum sulfur content of 0.0015% (15 ppm) by weight.

### 5.7 Hour Meter

In accordance with 40 CFR 60.4209, the permittee shall install a non-resettable hour meter prior to startup of the engine.

## 5.8 Hours of Operation

In accordance with 40 CFR 60.4211(f), the permittee shall operate the emergency stationary ICE according to the following requirements. If the permittee does not operate the engine according to the following requirements, the engine will not be considered an emergency engine under the subpart and must meet all requirements for non-emergency engines.

- There is no time limit on the use of emergency stationary ICE in emergency situations.
- The permittee may operate the engine for any combination of the purposes specified below for a maximum of 100 hours per calendar year.
  - The engine may be operated for maintenance checks and readiness testing, provided that the test are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.
  - The engine may be operated for emergency demand response for periods in which an Energy Emergency Alert Level 2 has been declared.
  - The engine may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- The engine may be operated for up to 50 hour per calendar year in non-emergency situations.

## 5.9 Compliance Requirements

In accordance with 40 CFR 60.4211(a), the permittee shall:

- Operate and maintain the engine according to the manufacturer's emission-related written instructions;
- Change only those emission-related settings that are permitted by the manufacturer; and
- Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply.

In accordance with 40 CFR 60.4211(b), the permittee shall demonstrate compliance according to one of the following methods:

- Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94 for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.
- Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in Subpart IIII and these methods must have been followed correctly.
- Keeping records of engine manufacturer data indicating compliance with the standards.
- Keeping records of control device vendor data indicating compliance with the standards.
- Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable.

## Monitoring and Recordkeeping Requirements

### 5.10 Fuel Specifications Recordkeeping

On an as-received basis for each shipment of distillate fuel oil for the IC engine, the permittee shall maintain supplier verified and certified information on percent sulfur content by weight of the fuel.

**5.11 Hours of Operation Recordkeeping**

In accordance with 40 CFR 60.4214(b), the permittee is not required to submit an initial notification. If the engine does not meet the standards applicable to non-emergency engines, the permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The permittee must record the time of operation of the engine and the reason the engine was in operation during that time.

**5.12 Incorporation of Federal Requirements by Reference**

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

- Standards of Performance for New Stationary Sources (NSPS), 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document shall govern, including any amendments to that regulation.

## 6 General Provisions

### General Compliance

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

[Idaho Code §39-101, et seq.]

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

[IDAPA 58.01.01.211, 5/1/94]

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

[IDAPA 58.01.01.212.01, 5/1/94]

### Inspection and Entry

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

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

[Idaho Code §39-108]

### Construction and Operation Notification

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

[IDAPA 58.01.01.211.02, 5/1/94]

6.6 The permittee shall furnish DEQ written notifications as follows:

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

- 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**

- 6.7 If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.
- 6.8 All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.
- 6.9 Within 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**

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

[IDAPA 58.01.01.211, 5/1/94]

### **Excess Emissions**

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

[IDAPA 58.01.01.130–136, 4/5/00]

## **Certification**

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

[IDAPA 58.01.01.123, 5/1/94]

## **False Statements**

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

[IDAPA 58.01.01.125, 3/23/98]

## **Tampering**

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

[IDAPA 58.01.01.126, 3/23/98]

## **Transferability**

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

[IDAPA 58.01.01.209.06, 4/11/06]

## **Severability**

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

[IDAPA 58.01.01.211, 5/1/94]