STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

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

December 6, 2012

Curt R. Snyder, Operations Manager
ConAgra Foods Lamb Weston, Inc. Twin Falls
856 Russet St.
Twin Falls, ID 83301

RE: No. 083-00062, ConAgra Foods Lamb Weston, Inc., Twin Falls
Final Permit Letter

Dear Mr. Snyder:

The Department of Environmental Quality (DEQ) is reissuing Permit to Construct (PTC) No. P-2011.0120 Project 60909 to ConAgra Foods Lamb Weston, Inc. located at Twin Falls to correct typographical errors contained in Permit Condition 33 (PM_{10} Performance Test Schedule), and Permit Conditions 35 and 44 (PM_{10} Performance Test Report). The typographical errors were noticed after the most recent performance test conducted on the Line 4 fryer. No other changes have been made to the permit or its statement of basis.

If you have any questions about this notification, please contact Bill Rogers, Stationary Source Permit Program Coordinator, at 208-373-0502 or william.rogers@deq.idaho.gov.

Sincerely,

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\br

Permit No. P-2011.0120 PROJ 60909

Enclosures

Air Quality

PERMIT TO CONSTRUCT

Permittee	**ConAgra Foods Lamb Weston, Inc. Twin Falls**
Permit Number	**P-2011.0120**
Project ID	**60909**
Facility ID	**083-00062**
Facility Location	**856 Russet St.** **Twin Falls, ID 83301**

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 its 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; (g) in no manner implies or suggests that the 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	**January 20, 2010**
Date Revised	**May 4, 2012**

Bill Rogers

Bill Rogers, Permit Writer

Mike Simon, Stationary Source Manager

PERMIT SCOPE

Purpose

1. This is a modification of a Facility Emissions Cap (FEC) Permit to Construct (PTC) to a PTC.
2. Those permit conditions that have been modified or revised by this permitting action are identified by the permit issue date citation located directly under the permit condition and on the right hand margin.
3. This PTC replaces Permit to Construct No. P-2009.0093, issued on January 20, 2010.
4. The emission sources regulated by this permit are listed in the following table.

Table 1 REGULATED SOURCES

Sources	Control Equipment
Line 1 Fryer: Manufacturer: Heat and Control Installed/Modified: 1988 Maximum Finished Product: 18.23 tons per hour	Wet Scrubber: Manufacturer: Bahnson Model: Custom Pressure Drop: 0.5 to 3.0 in H_2O Liquor Flow Rate: 267 to 400 gpm
Line 2 Fryer: Manufacturer: Heat and Control Installed/Modified: 1970 Maximum Finished Product: 17.93 tons per hour	Wet Scrubber: Manufacturer: Gallert Company Model: Custom Pressure Drop: 0.5 to 3.0 in H_2O Liquor Flow Rate: 135 to 203 gpm
Line 4 Fryer: Manufacturer: Heat and Control Installed/Modified: 1989 Maximum Finished Product: 26.58 tons per hour	Wet Scrubber: Manufacturer: Reyco Model: Custom Pressure Drop: 0.5 to 3.0 in H_2O Liquor Flow Rate: 122 to 183 gpm
Special Products Fryer: Manufacturer: Heat and Control Installed/Modified: 1977 Maximum Finished Product: 3.15 tons per hour	Wet Scrubber: Manufacturer: Reyco Model: Custom Pressure Drop: 0.5 to 3.0 in H_2O Liquor Flow Rate: 188 to 282 gpm
Line 1 Dryer: Manufacturer: National Installed/Modified: 1986 Maximum Finished Product: 18.2 tons per hour Maximum Heat Capacity: 36.0 MMBtu/hr Fuel: Natural gas only	None
Line 2 Dryer: Manufacturer: National Installed/Modified: 1988/2002 Maximum Finished Product: 17.9 tons per hour Maximum Heat Capacity: 4.0 MMBtu/hr Fuel: Natural gas only	None
Line 4 Dryer: Manufacturer: National Installed/Modified: 1989 Maximum Finished Product: 26.6 tons per hour Maximum Heat Capacity: 27.5 MMBtu/hr Fuel: Natural gas only	None

Table 1 REGULATED SOURCES (continued)

Sources	Control Equipment
Special Products Dryer: Manufacturer: B Eagle Installed/Modified: 1976 Maximum Finished Product: 3.2 tons per hour Maximum Heat Capacity: 5.0 MMBtu/hr Fuel: Natural gas only	None
Boiler No. 1: Manufacturer: Combustion Engineering Model: 26-A-15 Installed/Modified: 1989 Maximum Heat Input: 180 MMBtu/hr Fuel: Natural gas and/or biogas only	None
Boiler No. 2: Manufacturer: Murray-Trane Model: MCF4-57 Installed/Modified: 1982 Maximum Heat Input: 72 MMBtu/hr Fuel: Natural gas only	None
Effluent heater: Manufacturer: American Heating Co. Model: AHC-1500 Installed/Modified: 2002 Maximum Heat Input: 19 MMBtu/hr Fuel: Natural gas and/or biogas only	None
L4 Emergency IC Engine: Manufacturer: Cummins Model: NT855C Manufacture Date: 1982 Max. power rating: 355 bhp Fuel: Diesel Annual use limit: 52 hrs/yr	None
L1 Emergency IC Engine: Manufacturer: Cummins Model: 6BT5.9 G-2 Manufacture Date: 1997 Max. power rating: 166 bhp Fuel: diesel Annual use limit: 52 hrs/yr	None
Miscellaneous heaters and burners Combined Maximum Heat Input: 109 MMBtu/hr	None

[May 4, 2012]

FACILITY-WIDE CONDITIONS

Fugitive Dust

5. **Reasonable Control of Fugitive Emissions**

All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
- Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
- Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
- Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
- Paving of roadways and their maintenance in a clean condition, where practical.
- Prompt removal of earth or other stored material from streets, where practical.

6. **Fugitive Emissions Controls Recordkeeping**

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 emissions.

7. **Fugitive Dust Complaints**

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.

8. **Facility-Wide Fugitive Dust Inspections**

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

Odors

9. **Odors**

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.

10. **Odor Complaints**

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 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.

Visible Emissions

11. **Visible Emissions**

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 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NOx, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

12. **Visible Emissions Inspections**

The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. 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 58.01.01.625. 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 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.

Excess Emissions

13. **Excess Emissions**

The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

Open Burning

14. **Open Burning**

The permittee shall comply with the requirements of the Rules for Control of Open Burning, IDAPA 58.01.01.600-617.

Performance Testing

15. **Performance Testing**

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.

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.

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.

Monitoring and Recordkeeping

16. **Monitoring and Recordkeeping**

The permittee shall maintain sufficient records to ensure 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 and 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.

Reports and Certifications

17. **Reports and Certifications**

Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, notifications of intent to test, testing reports, or compliance certifications, 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. Any reporting required by this permit shall be submitted to the following address:

Air Quality Permit Compliance
Department of Environmental Quality
Twin Falls Regional Office
1363 Fillmore Street
Twin Falls, ID 83301
Phone: (208) 736-2190
Fax: (208) 736-2194

Obligation to Comply

18. **Obligation to Comply**

Receiving a Permit to Construct shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and regulations.

Fuel-Burning Equipment

19. **Fuel Burning Equipment Grain Loading**

The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid, 0.050 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume for wood products.

Sulfur Content

20. **Fuel Sulfur Content**

No person shall sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur:

- ASTM Grade 1 fuel oil - 0.3% by weight.
- ASTM Grade 2 fuel oil - 0.5% by weight.
- ASTM Grades 4, 5 and 6 fuel oil – 1.75% by weight.

21. **Fuel Sulfur Content Recordkeeping**

The permittee shall maintain documentation of supplier verification of distillate fuel oil content on an as received.

LINE 1 FRYER, LINE 2 FRYER, LINE 4 FRYER, AND SPECIAL PRODUCTS FRYER

Process Description

22. **Process Description**

Potatoes are fried in one of four fryers. If needed for a special product, a batter is first applied. The fryer exhaust contains PM from the potatoes and from the oil used for frying, and VOCs from the frying process. The fryers' exhaust exits through a water scrubber. Steam from the boilers provides the heat for this process; no by-products of combustion are emitted to the atmosphere from this equipment.

23. **Control Descriptions**

Table 2 LINE 1 FRYER, LINE 2 FRYER, LINE 4 FRYER, AND SPECIAL PRODUCTS FRYER DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Line 1 Fryer	Wet Scrubber	Wet Scrubber Exhaust: Height: 48 feet Diameter: 2.75 feet Flow Rate: 23,700 acfm
Line 2 Fryer	Wet Scrubber	Wet Scrubber Exhaust: Height: 55 feet Diameter: 3.00 feet Flow Rate: 31,500 acfm
Line 4 Fryer	Wet Scrubber	Wet Scrubber Exhaust: Height: 43.3 feet Diameter: 3.00 feet Flow Rate: 19,000 acfm
Special Products Fryer	Wet Scrubber	Wet Scrubber Exhaust: Height: 44 feet Diameter: 4.00 feet Flow Rate: 29,300 acfm

Emission Limits

24. **Emission Limits**

The emissions from the Line 1 Fryer, Line 2 Fryer, Line 4 Fryer, And Special Products Fryer stacks shall not exceed any emissions rate limit in the following table.

Table 3 LINE 1 FRYER, LINE 2 FRYER, LINE 4 FRYER, AND SPECIAL PRODUCTS FRYER EMISSION LIMITS [a]

Sources	PM_{10} [b]		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
Line 1, 2, 4 and the Special Products Fryers combined	16.11	64.05	9.05	35.96

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

25. **Opacity Limit**

Emissions from the Line 1, 2, 3, and Special Products Fryer stack, or any other stack, vent, or functionally equivalent opening associated with the Line 1, 2, 3, and Special Products Fryers, 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

26. **Throughput Limits**

Finished potato products from this facility shall not exceed either of the following limits:

- 1,585 tons per day, or
- 525,000 tons per any consecutive 12-month period.

[May 4, 2012]

27. **Pressure Drop Across Wet Scrubbers**

The pressure drop for all four fryer wet scrubbers shall be maintained within the following limits:

- The Line 1 Fryer wet scrubber shall be operated with a pressure drop across the scrubber of 0.5 to 3.0 inches of H_2O.
- The Line 2 Fryer wet scrubber shall be operated with a pressure drop across the scrubber of 0.5 to 3.0 inches of H_2O.
- The Line 4 Fryer wet scrubber shall be operated with a pressure drop across the scrubber of 0.5 to 3.0 inches of H_2O.
- The Special Products Fryer wet scrubber shall be operated with a pressure drop across the scrubber of 0.5 to 3.0 inches of H_2O.

[May 4, 2012]

28. **Wet Scrubber Liquor Flow Rates**

The wet scrubber liquor flow rate for all four fryer wet scrubbers shall be maintained within the following limits:

- The Line 1 Fryer wet scrubber shall be operated with a liquor flow rate within the scrubber of 267 to 400 gallons per minute.
- The Line 2 Fryer wet scrubber shall be operated with a liquor flow rate within the scrubber of 135 to 203 gallons per minute.
- The Line 4 Fryer wet scrubber shall be operated with a liquor flow rate within the scrubber of 122 to 183 gallons per minute.
- The Special Products Fryer wet scrubber shall be operated with a liquor flow rate within the scrubber of 188 to 282 gallons per minute.

[May 4, 2012]

29. **Operations and Maintenance Manual Requirements**

The permittee shall maintain and update, as needed, the operations and maintenance (O&M) manual for all four fryer wet scrubbers which describes the procedures that will be followed to comply with the General Compliance General Provision and the scrubber operating requirements contained within this permit. 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. The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

Monitoring and Recordkeeping Requirements

30. **Throughput Monitoring**

The permittee shall monitor and record daily, monthly, and annually the finished potato product produced from the facility to demonstrate compliance with the Daily and Annual Production Limits permit conditions. Finished potato product production shall be recorded as tons-per-day and tons-per-year. All production records shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

[May 4, 2012]

31. **Wet Scrubber Monitoring Equipment**

The permittee shall utilize the four fryer wet scrubbers to reduce emissions from the fryers. The permittee shall calibrate, maintain, and operate in accordance with manufacturer specifications, equipment which continuously measures the pressure differential across each scrubber and the scrubbing media flow rate for all four wet scrubbers.

32. **Air Pollution Control Equipment**

The following parameters shall be monitored and recorded during operation as specified below. The records shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

- The pressure drop across each of the four fryer wet scrubbers at least once per day;
- The scrubbing media flow rate to each of the four fryer wet scrubbers at least once per day;
- Maintenance to any of the four fryer wet scrubbers; and
- Any modifications made that affect the operating specifications of any of the four fryer wet scrubbers.

Performance Testing Requirements

33. **PM_{10} Performance Test Schedule**

Based on the September 10-11, 2009 PM_{10} performance test, the permittee shall conduct the next Line 4 Fryer scrubber PM_{10} performance test on, or before, September 10, 2012.

The schedule for future PM_{10} performance testing on the Line 4 Fryer scrubber shall be determined on a tiered schedule as follows:

- If the PM_{10} emissions rate measured in the most recent DEQ-approved performance test is less than or equal to 75% of the emissions limit listed in Table 3, the permittee shall conduct a performance test within five years of the most recent DEQ-approved performance test date.
- If the PM_{10} emissions rate measured in the most recent DEQ-approved performance test is greater than 75%, but less than or equal to 90% of the emissions limit listed in Table 3, the permittee shall conduct a performance test within three years of the most recent DEQ-approved performance test date.
- If the PM_{10} emissions rate measured in the most recent DEQ-approved performance test is greater than 90% of the emissions limit listed in Table 3, the permittee shall conduct a performance test within one year of the most recent DEQ-approved performance test date.

34. **PM_{10} Performance Test**

The permittee shall measure PM_{10} emissions using EPA Test Methods 5 and 202, or a Department-approved alternative method. This performance test, and any subsequent performance tests conducted to demonstrate compliance with this permit, shall be performed in accordance with IDAPA 58.01.01.157, the Performance Testing General Provision, and the following requirements:

- The permittee shall operate the Line 4 fryer at worst-case normal operating conditions as defined by IDAPA 58.01.01.157.
- The permittee shall observe visible emissions during each performance test run using methods specified in IDAPA 58.01.01.625.
- The permittee shall monitor and record the pressure drop across the scrubber and the scrubbing media flowrate of the scrubber controlling emissions from the Line 4 fryer during each performance test run.
- The permittee shall monitor and record finished potato production from the Line 4 fryer, expressed as tons-per-hour, during each performance test run.

35. **PM_{10} Performance Test Report**

For any source test performed to satisfy a performance test requirement imposed by state or federal regulation, rule, permit, or consent decree, a written report shall be submitted to DEQ in accordance with IDAPA 58.01.01.157.04.

LINE 1 DRYER, LINE 2 DRYER, LINE 4 DRYER, AND SPECIAL PRODUCTS DRYER

Process Description

36. **Process Description**

Potatoes are cut, the defects are removed, and the cut potatoes are graded and then blanched. Blanching is a hot water process which partially cooks the potatoes. Only steam is emitted from the blanchers. The potatoes are dried in one of four natural gas-fired dryers. The emissions are steam, PM, and by-products of combustion.

37. **Control Descriptions**

Table 4 LINE 1 DRYER, LINE 2 DRYER, LINE 4 DRYER, AND SPECIAL PRODUCTS DRYER DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Line 1 Dryer	None	Dryer Exhaust: Four stacks Height: 45 feet Diameter: 2.76 feet Flow Rate: 25,000 acfm
Line 2 Dryer	None	Dryer Exhaust: Seven stacks Height: 35.75 feet Diameter: 2.25 feet Flow Rate: 10,267 acfm
Line 4 Dryer	None	Dryer Exhaust: Five stacks Height: 44 feet (stack 1) Height: 36 feet (stacks 2 thru 5) Diameter: 3.91 feet Flow Rate: 22,250 acfm
Special Products Dryer	None	Dryer Exhaust: One stack Height: 38 feet Diameter: 2.61 feet Flow Rate: 8,133 acfm

Emission Limits

38. **Emission Limits**

The emissions from the Line 1 Dryer, Line 2 Dryer, Line 4 Dryer, Special Products Dryer, Boilers No. 1, and Boiler No.2 stacks shall not exceed any emissions rate limit in the following table.

Table 5 LINE 1 DRYER, LINE 2 DRYER, LINE 4 DRYER, SPECIAL PRODUCTS DRYER, BOILER NO.1, AND BOILER NO. 2 EMISSION LIMITS [a]

Sources	PM_{10} [b]		SO_2		NO_x		CO		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
Line 1, 2, 4, and the Special Products Dryers and Boilers No. 1 and No. 2 combined	6.73	25.18	0.19	0.47	28.94	77.50	17.76	65.10	1.75	4.26

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

39. **Opacity Limit**

Emissions from the Line 1, 2, 3, and Special Products Dryer stack, or any other stack, vent, or functionally equivalent opening associated with the Line 1, 2, 3, and Special Products Dryers, 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

40. **Fuel Specifications**

The permittee shall combust only natural gas in the Line 1 Dryer, Line 2 Dryer, Line 4 Dryer, and the Special Products Dryer.

Monitoring and Recordkeeping Requirements

41. **Natural Gas Use Limit**

Facility-wide natural gas use shall not exceed 1,550.0 MMscf per any consecutive 12-month period.

[May 4, 2012]

42. **Natural Gas Use Monitoring**

The permittee shall maintain records of facility-wide natural gas use to demonstrate compliance with the Natural Gas Use Limit permit condition. Natural gas utility bills may be used to demonstrate compliance with this requirement.

[May 4, 2012]

Performance Testing Requirements

43. **PM_{10} Performance Test Schedule**

The permittee shall conduct a performance test to measure PM_{10} emissions from the Line 4 Dryer Stack on or before September 10, 2014 and at least once every five years thereafter. The permittee shall measure PM_{10} emissions using EPA Test Methods 5 and 202. This performance test, and any subsequent performance tests conducted to demonstrate compliance with this permit, shall be performed in accordance with IDAPA 58.01.01.157, the Performance Testing General Provision, and the following requirements:

- The permittee shall operate the Line 4 Dryer at worst-case normal operating conditions as defined by IDAPA 58.01.01.157.
- The permittee shall observe visible emissions during each performance test run using methods specified in IDAPA 58.01.01.625.
- The permittee shall monitor and record finished potato production from the Line 4 Dryer, expressed as tons-per-hour, during each performance test run.

44. **PM_{10} Performance Test Report**

For any source test performed to satisfy a performance test requirement imposed by state or federal regulation, rule, permit, or consent decree, a written report shall be submitted to DEQ in accordance with IDAPA 58.01.01.157.04.

BOILER NO. 1

Process Description

45. **Process Description**

Boiler No. 1 provides process steam principally used for potato peeling, blanching, drying, and frying. Boiler No. 1 is a Combustion Engineering boiler, Model No. 26-A-15 with a heat input capacity rated at 180 MMBtu/hr. Boiler No. 1 is subject to 40 CFR 60 Subpart Db.

46. **Emissions Control Description**

Emissions from the Boiler No. 1 are uncontrolled.

Table 6 BOILER NO. 1 DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Boiler No. 1	None	Boiler No. 1 exhaust stack

Emissions Limits

47. **Emission Limits**

The emissions from the Line 1 Dryer, Line 2 Dryer, Line 4 Dryer, Special Products Dryer, Boilers No. 1, and Boiler No.2 stacks shall not exceed any emissions rate limit in the following table.

Table 7 LINE 1 DRYER, LINE 2 DRYER, LINE 4 DRYER, SPECIAL PRODUCTS DRYER, BOILER NO.1, AND BOILER NO. 2 EMISSION LIMITS [a]

Sources	PM_{10} [b]		SO_2		NO_x		CO		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
Line 1, 2, 4, and the Special Products Dryers and Boilers No. 1 and No. 2 combined	6.73	25.18	0.19	0.47	28.94	77.50	17.76	65.10	1.75	4.26
Effluent Heater and Boiler No. 1 when combusting biogas combined	1.51	6.43	20.61	75.07	17.00	72.07	7.72	31.84	1.09	4.66

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

48. **Fuel Burning Equipment – Particulate Matter Emissions Standards**

In accordance with IDAPA 58.01.01.676, PM emissions from Boiler No. 1 shall not exceed 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume when combusting natural gas or biogas.

49. **New Source Performance Standard – Nitrogen Oxide Standards**

In accordance with 40 CFR 60.44b(a)(1)(ii), 60.44b(h), and 60.44b(i), the permittee shall not cause to be discharged into the atmosphere any gases that contain nitrogen oxides (expressed as NO_2) in excess of 0.2 lb/MMBtu. This nitrogen oxide standard applies at all times including periods of startup, shutdown, or malfunction. Compliance with this emission limit is determined on a 30-day rolling average basis.

Operating Requirements

50. **Fuel Specifications**

The permittee shall combust only natural gas and/or biogas in Boiler No. 1.

51. **Biogas Use Limit**

Facility-wide biogas use shall not exceed 147.0 MMscf per any consecutive 12-month period.

[May 4, 2012]

Monitoring and Recordkeeping Requirements

52. **Biogas Use Monitoring**

The permittee shall maintain records of facility-wide biogas use to demonstrate compliance with the Biogas Use Limit permit condition.

[May 4, 2012]

53. **Biogas H_2S Concentration Monitoring**

The permittee shall measure the H_2S concentration in ppmv of biogas combusted in Boiler No. 1 and/or the Effluent Heater on a daily basis. The H_2S concentration is based on the daily average of H_2S concentration measurements collected at the City of Twin Falls digester.

[May 4, 2012]

54. **Biogas SO_2 Emissions Monitoring**

The permittee shall calculate and record SO_2 emissions as specified below.

The monthly volume weighted average H_2S Concentration, in ppmv, shall be calculated as follows:

> Monthly Volume Weighted Average H_2S Concentration (ppmv) = $\sum_{month}$[Daily Average of Measured H_2S Concentration (ppmv) x Volume of Total Biogas Combusted That Day (scf)] ÷ Monthly Sum of Total Biogas Combusted That Month (scf)

To demonstrate compliance with the 12-month rolling emissions limit for equipment that combusts biogas, monthly SO_2 emissions, in Tons/month, shall be calculated as follows:

> Monthly SO_2 Emissions (Tons/month) = Monthly Volume Weighted Average H_2S Concentration (ppmv) ÷ 10^6 x Volume of Biogas Combusted in That Month (scf) x Ideal Gas Constant of 34.08 (lbs-H_2S/lb-mol) ÷ 385 (scf/lb-mol) x 527.7 °R/536.7 °R x 64.06 lb-SO_2/34.08 lb-H_2S ÷ 2,000 lb/Ton

To demonstrate compliance with the hourly emissions limit for equipment that combusts biogas, SO_2 emissions, in pounds per hour, shall be calculated as follows:

> SO_2 Emissions (lbs/hr) = Daily Measured H_2S Concentration (ppmv) ÷ 10^6 x Maximum Volume of Biogas Combusted in Any Hour That Day (scf) x Ideal Gas Constant of 34.08 (lbs-H_2S/lb-mol) ÷ 385 (scf/lb-mol) x 527.7 °R/536.7 °R x 64.06 lb-SO_2/34.08 lb-H_2S

[May 4, 2012]

55. **New Source Performance Standard – Fuel Monitoring**

In accordance with 40 CFR 60.49b(d), the permittee shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for natural gas and biogas for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. These records shall be kept on site for the most recent five-year period and shall be made available in either hard copy or electronic format to DEQ representatives upon request.

56. **Nitrogen Oxides Continuous Emissions Monitoring**

The permittee shall fully comply with all monitoring requirements established by 40 CFR 60 Subpart A – *General Provisions* and Subpart Db – *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units* (40 CFR 60.40b). In particular, the permittee shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR 60.48b, a NO_X continuous emissions monitoring system (CEMS) with an automated data acquisition and handling system for measuring and recording NO_X concentration (in parts per million) and NO_X emission rate (in pounds per million British thermal units) from the boiler stack.

The permittee shall fully comply with all applicable record keeping requirements set forth in 40 CFR 60, Subpart Db. All such records shall be made available in either hard copy or electronic format to DEQ representatives upon request.

Reporting Requirements

57. **Test Protocols for Nitrogen Oxide Continuous Emission Monitoring System Certification/ Recertification Tests**

The permittee is encouraged to submit a performance test protocol to DEQ for approval at least 30 days prior to conducting each certification and recertification test of the NO_X CEMS.

58. **Required Nitrogen Oxide Continuous Emission Monitoring System Information**

The permittee shall fully comply with the reporting requirements set forth in 40 CFR 60, Subpart Db. In accordance with 40 CFR 60.49b, copies of all certification or recertification notifications, certification or recertification applications, and monitoring plans shall be submitted to DEQ. Furthermore, the permittee shall submit to DEQ a written report (including all raw field data, etc.) for each certification or recertification test required.

Each report shall be submitted to DEQ within 30 days of the date on which the respective test was completed.

59. **Quality Assurance Procedures**

The permittee shall follow quality assurance (QA) procedures in accordance with 40 CFR 60, Appendix F and submit the QA results to DEQ for approval within 30 days after the test date.

The permittee shall submit a written notification of the QA tests to DEQ within 30 days prior to performing each respective test.

60. **Excess Nitrogen Oxide Emissions**

The permittee shall submit to DEQ copies of all excess emissions and monitoring systems performance reports and/or summary reports for the NO_X CEMS. The reporting requirements and report format shall be the same as those specified in 40 CFR 60.7(b) through (d) and IDAPA 58.01.01.131. For NO_X emissions from the boiler stack, periods of excess emissions are any and all 24-hour rolling average NO_X concentrations as measured by the NO_X CEMS that exceed the allowable NO_X concentration of 0.2 lb/MMBtu.

BOILER NO. 2

Process Description

61. **Process Description**

Boiler No. 2 provides process steam principally used for potato peeling, blanching, drying, and frying. Boiler No. 2 is a Murray Trane boiler, Model No. MCF4-57, with a heat input capacity rated at 72 MMBtu/hr.

62. **Emissions Control Description**

Emissions from the Boiler No. 2 are uncontrolled.

Table 8 BOILER NO. 2 DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Boiler No. 2	None	Boiler No. 2 exhaust stack

Emissions Limits

63. **Emission Limits**

The emissions from the Line 1 Dryer, Line 2 Dryer, Line 4 Dryer, Special Products Dryer, Boilers No. 1, and Boiler No.2 stacks shall not exceed any emissions rate limit in the following table.

Table 9 LINE 1 DRYER, LINE 2 DRYER, LINE 4 DRYER, SPECIAL PRODUCTS DRYER, BOILER NO.1, AND BOILER NO. 2 EMISSION LIMITS [a]

Sources	PM_{10} [b]		SO_2		NO_x		CO		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
Line 1, 2, 4, and the Special Products Dryers and Boilers No. 1 and No. 2 combined	6.73	25.18	0.19	0.47	28.94	77.50	17.76	65.10	1.75	4.26

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

64. **Fuel Burning Equipment – Particulate Matter Emissions Standards**

In accordance with IDAPA 58.01.01.676, PM emissions from Boiler No. 2 shall not exceed 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume when combusting natural gas.

Operating Requirements

65. **Fuel Specifications**

The permittee shall combust only natural gas in Boiler No. 2.

EFFLUENT HEATER

Process Description

66. **Process Description**

The Effluent Heater functions as a water heater that utilizes natural gas and/or biogas generated by the municipal digester located adjacent to the facility. The Effluent Heater is an American Heating Co. model AHC-1500 with a heat input capacity rated at 19 MMBtu/hr.

67. **Emissions Control Description**

Emissions from the Effluent Heater are uncontrolled.

Table 10 EFFLUENT HEATER DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Effluent Heater	None	Effluent heater exhaust stack

Emissions Limits

68. **Emission Limits**

The emissions from Boiler No. 1 and the Effluent Heater stacks shall not exceed any emissions rate limit in the following table.

Table 11 BOILER NO.1 AND THE EFFLUENT HEATER EMISSION LIMITS [a]

Sources	PM_{10} [b]		SO_2		NO_x		CO		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
Effluent Heater and Boiler No. 1 when combusting biogas combined	1.51	6.43	20.61	75.07	17.00	72.07	7.72	31.84	1.09	4.66

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

69. **Emissions Limits**

In accordance with IDAPA 58.01.01.676, PM emissions from the Effluent Heater shall not exceed 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume when combusting natural gas or biogas.

Operating Requirements

70. **Fuel Specification**

The permittee shall combust only biogas or natural gas in the Effluent Heater.

Monitoring and Recordkeeping Requirements

71. **NSPS – Subpart Dc Applicability, Notification, Monitoring, and Reporting Requirements**

In accordance with 40 CFR 60.48c(a), the permittee shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup as required by 40 CFR 60.7 for the boilers.

The notification shall include the following:

- The design heat input capacity of the affected facility,
- Fuels to be combusted in the affected facility,
- The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each fuel fired.

Notification shall be submitted to EPA and DEQ.

U.S. EPA – Region 10
Office of Air Quality
1200 Sixth Avenue
Seattle, WA 98101
Phone: (206) 553-1200

Air Quality Permit Compliance
Twin Falls Regional Office
Idaho Department of Environmental Quality
1363 Fillmore
Twin Falls, ID 83301
Phone: (208) 736-2190

[May 4, 2012]

72. **NSPS – Subpart Dc Recordkeeping Requirements**

In accordance with 40 CFR 60.48c(g) and 40 CFR 60.48c(i), the permittee shall record and maintain records of the amount of each fuel combusted during each operating day by the Effluent Heater boiler.

As an alternative to meeting the daily requirements, the permittee may elect to record and maintain records of the amount of each fuel combusted by the Effluent Heater boiler during each calendar month.

As an alternative to meeting the daily requirements, the permittee may elect to record and maintain records of the total amount of fuel delivered to that property during each calendar month.

[May 4, 2012]

73. **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:

- Standard of Performance for New Stationary Sources (NSPS), 40 CFR Part 60, Subpart Dc

For permit conditions referencing or cited in accordance with any document incorporated by reference, 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.

[May 4, 2012]

L4 AND L1 EMERGENCY DIESEL-FIRED INTERNAL COMBUSTION ENGINES

Process Description

74. **Process Description**

The compression ignition IC engines at the facility are used to provide electrical power to the facility when electrical line power is not available during emergency situations.

75. **Control Descriptions**

Table 12 L4 and L1 EMERGENCY DIESEL-FIRED IC ENGINES DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
L4 Emergency IC Engine	None	L4 Emergency IC engine exhaust stack
L1 Emergency IC Engine	None	L1 Emergency IC engine exhaust stack

Emissions Limits

76. **Emission Limits**

The emissions from the L4 and L1 Emergency IC Engines stacks shall not exceed any emissions rate limit in the following table.

Table 13 L4 AND L1 EMERGENCY IC ENGINE EMISSION LIMITS [a]

Sources	PM_{10} [b]		SO_2		NO_x		CO		VOC	
	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]	lb/hr [c]	T/yr [d]
L4 Emergency IC Engine	0.78	0.02	0.73	0.02	11.01	0.29	2.37	0.06	0.89	0.02
L1 Emergency IC Engine	0.37	0.01	0.34	0.01	5.15	0.13	1.11	0.03	0.42	0.01

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping 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.

[May 4, 2012]

Operating Requirements

77. **Hours of Operation Limitation**

- Each emergency IC engine shall not be operated for more than 8.5 hours per day, except during emergency situations.
- Each emergency IC engine shall not be operated for more than 52 hours per any consecutive 12-month period, except during emergency situations.

78. **Fuel Specification**

The emergency IC engines shall only be fired on No. 2 diesel fuel. The fuel sulfur content shall not exceed 0.5 percent by weight, as required by IDAPA 58.01.01.725.

79. **Maintenance and Operating Requirements**

The permittee shall maintain and operate the emergency generators in accordance with manufacturer recommendations.

Monitoring and Recordkeeping Requirements

80. **Emergency IC Engine Operations**

The permittee shall monitor and record the date and the number of hours of operation for each emergency IC engine to demonstrate compliance with the Hours of Operation Limitation permit condition. These records shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

NESHAP Compliance Requirements

81. **L4 Emergency IC Engine and L1 Emergency IC Engine NESHAP Compliance Date**

In accordance with 40 CFR 63.6595, the permittee shall comply with the applicable emission limitations and operating limitations requirements of 40 CFR 63, ZZZZ for Stationary Reciprocating Internal Combustion Engines, no later than May 3, 2013.

[May 4, 2012]

82. **L4 Emergency IC Engine and L1 Emergency IC Engine Maintenance Requirements**

In accordance with 40 CFR 63.6603, on and after May 3, 2013, for the L4 Emergency IC Engine and L1 Emergency IC Engine the Permittee shall:

- Change the oil and filter every 500 hours of operation or annually, whichever comes first.
- Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first.
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[May 4, 2012]

83. **L4 Emergency IC Engine and L1 Emergency IC Engine Alternative Maintenance Requirements**

In accordance with 40 CFR 63.6625(i), on and after May 3, 2013, the permittee has the option of implementing an oil analysis program to extend the oil change frequency specified in the L4 Emergency IC Engine and L1 Emergency IC Engine Maintenance Requirements permit condition. The oil analysis must be performed at the same frequency as specified in the L4 Emergency IC Engine and L1 Emergency IC Engine Maintenance Requirements permit condition. The oil analysis program must, at a minimum, analyze the following three parameters:

- Total Base Number, viscosity, and percent water content.

The limits for these parameters are as follows:

- A Total Base Number of less than 30% of the Total Base Number of the oil when new; the viscosity of the oil has changed by more than 20% from the viscosity of the oil when new; or the water content is greater than 0.5% (by volume).

If any of the limits are exceeded, and the IC engine is in operation, the Permittee must change the oil within two days of receiving the results of the analysis. If any of the limits are exceeded, and the IC engine is not in operation, the Permittee must change the oil within two days or before commencing operation of the IC engine, whichever is later.

The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the IC engine. The analysis program must also be part of the maintenance plan for the engine.

[May 4, 2012]

84. **L4 Emergency IC Engine and L1 Emergency IC Engine Startup Requirements**

In accordance with 40 CFR 63.6603, on and after May 3, 2013, for the L4 Emergency IC Engine and L1 Emergency IC Engine the Permittee shall:

- Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

[May 4, 2012]

85. **L4 Emergency IC Engine and L1 Emergency IC Engine Operation and Maintenance Requirements**

In accordance with 40 CFR 63.6625, on and after May 3, 2013, for the L4 Emergency IC Engine and L1 Emergency IC Engine the Permittee shall:

- The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[May 4, 2012]

86. **L4 Emergency IC Engine and L1 Emergency IC Engine Hour Meter Requirement**

In accordance with 40 CFR 63.6625(f), on and after May 3, 2013, the permittee must install a non-resettable hour meter on the L4 Emergency IC Engine and L1 Emergency IC Engine if one is not already installed

[May 4, 2012]

87. **L4 Emergency IC Engine and L1 Emergency IC Engine Operating Requirements**

In accordance with 40 CFR 63.6640(f), on and after May 3, 2013, the L4 Emergency IC Engine and L1 Emergency IC Engine shall be operated as follows:

- There is no time limit on the use of the L4 Emergency IC Engine and L1 Emergency IC Engine in emergency situations.
- The permittee may operate the L4 Emergency IC Engine and L1 Emergency IC Engine for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engines. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of the L4 Emergency IC Engine and L1 Emergency IC Engine beyond 100 hours per year.

- The permittee may operate the L4 Emergency IC Engine and L1 Emergency IC Engine up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for the facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that the permittee may operate the L4 Emergency IC Engine and L1 Emergency IC Engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The L4 Emergency IC Engine and L1 Emergency IC Engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this requirement, as long as the power provided by the financial arrangement is limited to emergency power.

[May 4, 2012]

88. **L4 Emergency IC Engine and the L1 Emergency IC Engine Recordkeeping Requirements**

In accordance with 40 CFR 63.6655 and 40 CFR 63.6660, on and after May 3, 2013, the permittee shall maintain records for the L4 Emergency IC Engine and the L1 Emergency IC Engine according to the requirements of 40 CFR 63, ZZZZ for Stationary Reciprocating Internal Combustion Engines. The records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

- The permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- The permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[May 4, 2012]

89. **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:

- National Emission Standards for Hazardous Air Pollutants (NESHAP) Area Sources, 40 CFR Part 63, Subpart ZZZZ - National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

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

[May 4, 2012]

GENERAL PROVISIONS

General Compliance

90. 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 and 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.]

91. 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]

92. 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

93. 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 or 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

94. 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]

95. The permittee shall furnish DEQ written notifications as follows in accordance with IDAPA 58.01.01.211:

- 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.

[IDAPA 58.01.01.211.03, 5/1/94]

Performance Testing

96. 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, at its option, may 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.

97. 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.

98. Within 60 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The 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

99. The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this 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 and 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

100. The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

Certification

101. 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

102. 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

103. 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

104. 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

105. 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]