



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

January 13, 2017

James Walters, Manager
Walters Ready Mix, Inc.
P.O. Box 390
Rexburg, ID 83440

RE: Facility ID No. 065-00004, Walters Ready Mix Inc., Rexburg
Final Permit Letter

Dear Mr. James Walters,

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2016.0071 Project 61827 to Walters Ready Mix Inc., located at Rexburg, for Tier 2 to PTC conversion. 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 December 8, 2016.

This permit is effective immediately and replaces T2 permit No. T2-2007.0084, issued June 23, 2010. This permit does not release Walters Ready Mix Inc., from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Rensay Owen, Regional Manager Remediation and Air Quality, at (208) 528-2660 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 Tom Burnham at (208) 373-0502 or tom.burnham@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

MS\tb
Permit No. P-2016.0071 PROJ 61827

Enclosures

Air Quality

PERMIT TO CONSTRUCT

Permittee Walters Ready Mix, Inc.
Permit Number P-2016.0071
Project ID 61827
Facility ID 065-00004
Facility Location 342 West 4th North
Rexburg, ID 83440

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 January 13, 2017



Tom Burnham, Permit Writer



Mike Simon, Stationary Source Manager

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1 Permit Scope

Purpose

- 1.1 This is a conversion of an existing expired Tier II permit T2-2007.0084 to a Permit to Construct (PTC).
- 1.2 This PTC replaces Tier II Permit No. T2-2007.0084, issued on June 23, 2010.

Regulated Sources

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

Table 1.1 Regulated Sources

Permit Section	Source Description	Emissions Control
3	<p>Sand & gravel processing</p> <p><u>Primary Crusher and Screen</u> Mfr.: Eljay Maximum capacity: 250 T/hr Maximum production: 400,000 T/yr Construction Date: 1988</p>	BMP, water sprays, or equivalent control methods
4	<p><u>Concrete batch plant – ready mix</u> Mfr.: Erie Strayer Model: A5-5422 Year of mfr.: 1979 Maximum capacity: 150 cy/hr Maximum production: 1500 cy/day and 300,000 cy/yr Requested throughput limit: 200,000 cy/yr</p>	<p><u>Cement Storage Silo No. 1 Baghouse</u> Mfr.: McNeilus Model: CJP 450</p> <p><u>Cement Storage Silo No. 2 Baghouse</u> Mfr.: McNeilus Model: SFV-270</p> <p><u>Cement Supplement Storage Silo No. 3 Baghouse</u> Mfr.: McNeilus Model: SFV-270</p> <p><u>Weigh Batcher Vent Baghouse</u> Mfr.: Hydro Search Model: PJ-4400</p> <p><u>Material Transfer Points</u> BMP, water sprays, or equivalent control methods</p>
5	<p><u>IC Engine for Generator</u> Mfr: Cummins Oman Mfr Year: 2006 Model: NTA-855-62 Max. rating: 461 bhp Fuel type: diesel Max. operational hours per day: 15 hours per day in April and October and 17 hours per day May through September Max. operational hours per year: 4,000 hrs/yr</p>	None

2 Facility-wide Conditions

Fugitive Emissions

- 2.1 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, consideration 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.
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.
- 2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- 2.4 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

- 2.5 The permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
- 2.6 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date 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

- 2.7 The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NO_x, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.
- 2.8 The permittee shall conduct a quarterly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. Sources that are monitored using a continuous opacity monitoring system (COMS) are not required to comply with this permit condition. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either
- a) take appropriate corrective action as expeditiously as practicable to eliminate the visible emissions. Within 24 hours of the initial see/no see evaluation and after the corrective action, the permittee shall conduct a see/no see evaluation of the emissions point in question. If the visible emissions are not eliminated, the permittee shall comply with (b).
- or
- b) 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%, as measured using Method 9, for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136.

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

Open Burning

- 2.9 The permittee shall comply with the requirements of the Rules for Control of Open Burning. IDAPA 58.01.01.600-623.

Reports and Certifications

- 2.10 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
 Idaho Falls Regional Office
 900 N. Skyline, Ste. B
 Idaho Falls, ID 83201
 Phone: (208) 528-2650
 Toll-free: (800) 232-4635
 Fax: (208) 528-2695

Obligation to Comply

- 2.11 Receiving a PTC permit 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

- 2.12 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, and 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid.

NESHAP General Provisions

2.13 NESHAP 40 CFR 63, Subpart A – General Provisions

The permittee shall comply with the applicable requirements of 40 CFR 63, Subpart A – General Provisions in accordance with 40 CFR 63.1.

Table 2.1 NSPS 40 CFR 63, SUBPART A – SUMMARY OF GENERAL PROVISIONS

Citation	Subject	Explanation
40 CFR 63.1(a)(1)-(12)	General Applicability	
40 CFR 63.1(b)(1)-(3)	Initial Applicability Determination	Applicability of subpart ZZZZ is also specified in 40 CFR 63.6585
40 CFR 63.1(c)(1)	Applicability After Standard Established	
40 CFR 63.1(c)(2)	Applicability of Permit Program for Area Sources	
40 CFR 63.1(c)(5)	Notifications	
40 CFR 63.2	Definitions	Additional definitions are specified in 40 CFR 63.6675.
40 CFR 63.3(a)-(c)	Units and Abbreviations	
40 CFR 63.4(a)(1)-(5)	Prohibited Activities	
40 CFR 63.4(b)-(c)	Circumvention/Fragmentation	
40 CFR 63.6(a)	Compliance With Standards and Maintenance Requirements—Applicability	
40 CFR 63.6(b)(1)-(7)	Compliance Dates for New and Reconstructed Sources	40 CFR 63.6595 specifies the compliance dates.
40 CFR 63.6(c)(1)-(5)	Compliance Dates for Existing Sources	40 CFR 63.6595 specifies the compliance dates.
40 CFR 63.6(f)(2)-(3)	Methods for Determining Compliance	
40 CFR 63.6(g)(1)-(3)	Use of an Alternative Standard	
40 CFR 63.6(i)(1)-(16)	Extension of Compliance	
40 CFR 63.6(j)	Presidential Compliance Exemption	
40 CFR 63.7(a)(1)-(2)	Performance Test Dates	40 CFR 63.6610-6612 specify the performance test dates
40 CFR 63.7(b)(1)-(2)	Notification of Performance Test and Rescheduling	40 CFR 63.6645 specifies the notification
40 CFR 63.7(e)(2)	Conduct Performance Test and reduction of data	40 CFR 63.6620 specifies appropriate

Citation	Subject	Explanation
		test methods
40 CFR 63.7(g)	Performance Test data analysis and recordkeeping and reporting	
40 CFR 63.8	Monitoring Requirements	40 CFR 63.6625 specifies appropriate monitoring requirements
40 CFR 63.9(a)-(e), (g)-(j)	Notification Requirements	40 CFR 63.645 specifies notification requirements.
40 CFR 63.10(a)	Recordkeeping/Reporting—Applicability and General Information	
40 CFR 63.10(b)(1)	General Recordkeeping Requirements	Additional requirements are specified in 40 CFR 63.6655
40 CFR 63.10(b)(2)(xii)	Waiver of recordkeeping requirements	
40 CFR 63.10(b)(2)(xiv)	Records supporting notifications	
40 CFR 63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations	
40 CFR 63.10(d)(1)	General Reporting Requirements	Additional requirements are specified in 40 CFR 63.6650
40 CFR 63.10(d)(4)	Progress Reports for Sources With Compliance Extensions	
40 CFR 63.10(f)	Recordkeeping/Reporting Waiver	
40 CFR 63.12	State Authority and Delegations	
40 CFR 63.13	Addresses of State Air Pollution Control Agencies and EPA Regional Offices	
40 CFR 63.14	Incorporation by Reference	
40 CFR 63.15	Availability of Information/Confidentiality	

3 Sand & Gravel Processing

3.1 Process Description

The rock crushing operation consists of a feed hopper, belt conveyors, a screen, and a crusher. Raw material is hauled in by dump trucks and piled in the raw material storage pile. The raw material is then dumped into the feed hopper by front-end loaders. Then, the raw material is transported by two belt conveyors to the screen. Sand, ¾ inch rock, and 3/8 inch rock are washed and transported to separate storage piles. Oversized material rejected by the screen is delivered to the primary crusher. The primary crusher has a maximum rated input capacity of four hundred tons per hour (400 T/hr). The crushed product of primary crusher is returned through the screening process where part of the product is recycled for secondary crushing. Sand and rocks of different mixed are separated, washed, and conveyed to storage piles.

3.2 Emissions Control Descriptions

Fugitive emissions are controlled with best management practices (BMP), water sprays, or equivalent control methods.

Emission Limits

3.3 Opacity Limit

No owner or operator shall cause to be discharged into the atmosphere emissions which exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three minutes in any 60-minute period from any crusher, screening operation, bucket elevator, belt conveyor, conveying system, transfer point, vent, capture system, storage bin, stockpile, truck dumping operation, vehicle traffic on an affected paved public roadway, vehicle traffic on or wind erosion of an unpaved haul road, or other source of fugitive emissions in accordance with IDAPA 58.01.01.793. Opacity shall be determined using the test methods and procedures in IDAPA 58.01.01.625.

Operating Requirements

3.4 Aggregate Throughput Limits

To demonstrate compliance with the PM₁₀ emissions limit, the total aggregate throughput of the crushing facility shall not exceed 4,000 tons per hour (4,000 T/hr) and 400,000 tons per year (400,000 T/yr).

3.5 Crushing Hours of Operation Limit

The permittee shall monitor and record on a daily basis, the operating hours for crushing to demonstrate compliance with the Hours of Operation Limit.

Monitoring and Recordkeeping Requirements

3.6 Aggregate Throughput Monitoring Requirement

The permittee shall monitor and record, in tons, the daily aggregate throughput to the primary crusher once per day to demonstrate compliance with the hourly Aggregate Throughput Limit. The permittee shall also monitor and record, in tons, the annual aggregate throughput (T/year).

3.7 Crushing Hours of Operation Monitoring Requirement

The permittee shall monitor and record on a daily basis, the operating hours for crushing to demonstrate compliance with the Hours of Operation Limit.

3.8 Recordkeeping Requirement

The permittee shall comply with the recordkeeping requirements of General Provisions of this permit.

4 Concrete Batch Plant

4.1 Process Description

Sand and aggregates from storage piles are loaded onto fixed conveyor by front-end loaders and then conveyed to the stack hopper. The materials are transferred to the batch plant bins by conveyor from the three drop points. Bulk admixture is delivered into tanks and then to the batch plant by pressurized hose. Bulk cement and fly ash are delivered to silos by pneumatic hose. The proper weight of sand, aggregate, cement, and admixtures, as required, are dropped into a weigh hopper and mixed. The mixture is then dropped into a mixer truck that is positioned on a charging platform. Electricity used in this process is supplied by Idaho Power. A generator is not used in this process.

4.2 Control Device Descriptions

Baghouses are used to control emissions from the cement and cement supplement storage silos

Table 4.1 CONCRETE BATCH PLANT DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Cement Storage Silo No. 1	<u>Baghouse No. 1</u> Manufacturer: McNeilus Model: CJP 450 Control Efficiency: 99.99%	<u>Cement Storage Silo No. 1 Baghouse</u> Exit height: 70 ft Exit diameter: 0.277 ft Exit air flow rate: 600 acfm
Cement Supplement Storage Silo No. 2	<u>Baghouse No. 2</u> Manufacturer: McNeilus Model: SFV-270 Control Efficiency: 99.6%	<u>Cement Supplement Storage Silo No. 2 Baghouse</u> Exit height: 70 ft Exit diameter: 0.34 ft Exit air flow rate: 550 acfm
Weigh batcher	<u>Baghouse No. 3</u> Manufacturer: Hydro Search Model: PJ-4400 Control Efficiency: 99.9%	<u>Weigh Batcher Vent Baghouse</u> Exit height: 30 ft Exit diameter: 1 ft Exit air flow rate: 3,000 acfm
New Storage Silo No. 1	<u>Silo Baghouse No. 1</u> Manufacturer: McNeilus Model: SFV-270 Control Efficiency: 99.6%	<u>Silo Storage Silo Baghouse</u> Exit height: 48 ft Exit diameter: 0.34 ft Exit air flow rate: 650 dscfm
New Storage Silo No. 2	<u>Silo Baghouse No. 2</u> Manufacturer: McNeilus Model: SFV-270 Control Efficiency: 99.6%	<u>Silo Storage Silo Baghouse</u> Exit height: 47.8 ft Exit diameter: 0.34 ft Exit air flow rate: 650 dscfm

Emission Limits

4.3 Opacity Limit

Emissions emanating from any stack, vent, or other functionally equivalent opening shall not exceed twenty percent opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

4.4 Concrete Production Limits

To demonstrate compliance with the PM₁₀ emissions limit, concrete production shall not exceed 1,500 cubic yards per day (1,500 cy/day) and 200,000 cubic yards per any consecutive 12-calendar month period (200,000 cy/yr).

4.5 Concrete Production Hours of Operation Limit

The hours of operation of the concrete batch plant shall not exceed 15 hours per day of operation during April and October and shall not exceed 17 hours of operations from May through September.

4.6 Installation of Baghouse Filter/Cartridge System

The permittee shall install and operate baghouses, weigh batcher and the water sprays (or equivalent control method) in accordance with the developed procedures document in the baghouse system procedures permit condition to control PM and PM₁₀ emissions from the concrete batch plant.

4.7 Baghouse Filter/Cartridge System Procedures

The permittee shall have developed a Baghouse/Filter System Procedures document for the inspection and operation of the baghouses/filter system which controls emissions from the baghouses, transfer point boots/enclosures, and the transfer point water sprays. The Baghouse/Filter System Procedures document shall be a permittee developed document independent of the manufacturer-supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual.

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

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

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

The permittee shall maintain records of the results of each baghouse/filter system inspections in accordance with Recordkeeping General Provision. The records shall include a description of whether visible emissions were present and if visible emissions were present a description of the corrective action that was taken.

The Baghouse/Filter System Procedures document shall be submitted to DEQ within 60 days of permit issuance to remain on file and shall contain a certification by a responsible official. A copy shall also remain on site. Any changes to the Baghouse/Filter System Procedures document shall be submitted within 15 days of the change.

Air Quality Permit Compliance
Department of Environmental Quality
Idaho Falls Regional Office
900 N. Skyline, Ste. B
Idaho Falls, ID 83201

The Baghouse/Filter System Procedures document shall also remain on site at all times and shall be made available to DEQ representatives upon request. The operating and monitoring requirements specified in the Baghouse/Filter System Procedures document are incorporated by reference to this permit and are enforceable permit conditions.

Monitoring and Recordkeeping Requirements

4.8 Concrete Production Monitoring Requirement

The permittee shall monitor and record, in cubic yards, the daily concrete production once per day to demonstrate compliance with Concrete Production Limit. The permittee shall also monitor and record, in cubic yards, the concrete production per any consecutive 12-calendar month period (cy/yr).

4.9 Concrete Hours of Operation Monitoring Requirement

The permittee shall monitor and record on a daily basis, the operating hours for concrete production to demonstrate compliance with the Hours of Operation Limit.

4.10 Baghouse Monthly Inspection

The permittee shall maintain records of the results of each baghouse inspection in accordance with General Provisions of this permit. The records shall include a description of whether visible emissions were present, and if visible emissions were present, a description of the corrective action that was taken

4.11 Recordkeeping Requirement

The permittee shall comply with the recordkeeping requirements of General Provisions of this permit.

5 Compression ignition internal combustion engine

5.1 Process Description

The CI ICE engine used by Walters Ready Mix is a Cummins Onan Model: NTA85562. The engine has a brake horsepower of 461. It is used solely for dredging. Its operational hours are similar to all other units used at the facility. It is subject to 40 CFR 63, Subpart ZZZZ as it was constructed prior to July 10, 2006.

5.2 Emission Control Description

The Cummins engine is uncontrolled.

Emission Limitations

5.3 Compliance Date

The facility must be in compliance with the following MACT 40 CFR 63 subpart beginning on and after the specified dates.

- Subpart ZZZZ – Must be in compliance on or prior to May 3, 2013.

In accordance with 40 CFR 63.6595(a)(1), the affected source shall comply with the applicable emission limitations and requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ by May 3, 2013.

5.4 Emission and Operating Limitations

In accordance with 40 CFR 63.6603(a), on and after the compliance date the following emission limits or operating restrictions are required for the 461 bhp engine.

CO concentration @ 15% O₂ must not exceed 49 ppmvd or carbon monoxide emissions must be reduced by a minimum of 70%.

Operating Requirements

5.5 Allowable Fuel in CI IC Engine

The engine shall combust only the following fuels in accordance with 40 CFR 80.510(b) and 40 CFR 63.6604:

ASTM Grades 1 or 2 distillate fuel oil or a mixture of the two with a maximum sulfur content of 0.05% by weight and a minimum cetane index of 40 or maximum aromatic content of 35% by volume.

Beginning June 1, 2010, the sulfur content cannot exceed 0.0015% by weight (15 ppm).

5.6 Allowable Fuel Documentation

For all distillate fuels used at this facility, the permittee shall maintain documentation of supplier verification of sulfur content on an as-received basis for each shipment.

5.7 Operational Hours Limit of Diesel Fired 461 bhp Engine

The operating hours of the 461 bhp diesel-fired engine shall not exceed 15 hours per day in April and October and 17 hours per day May through September.

5.8 Engine Maintenance

On and after the compliance date, the permittee shall operate and maintain the diesel engine(s) and associated pollution control equipment (where applicable) in a manner that minimizes emissions. Nothing further is required to reduce emissions other than what is necessary to meet the appropriate limitation in the Emissions Limitations permit condition according to 40 CFR 63.6605(b).

5.9 NESHAP, 40 CFR 63, Subpart ZZZZ – Startup Time

On and after the compliance date, the engine's time spent at idle during startup shall be minimized to a period needed for appropriate and safe loading of the engine, but not to exceed 30 minutes, after which time the emission standards associated with this permit apply according to 40 CFR 63.6625(h).

5.10 Crankcase Emission Requirements

In accordance with 40 CFR 63.6625(g), on and after the compliance date, any engine that does not have a closed crankcase ventilation system must install one of the following:

- Closed crankcase ventilation system that prevents crankcase emissions from being emitted into the atmosphere.
- Open crankcase filtration system to reduce crankcase emissions by filtering the exhaust system

Manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase systems and replacing the crankcase filters must be followed. Or the permittee may request the DEQ to approve different maintenance requirements that are as protective as manufacturer requirements.

5.11 Initial Performance Testing / Compliance Demonstration

In accordance with 40 CFR 63.6612(a), the permittee shall conduct a performance Test or compliance demonstration within 180 days after May 3, 2013. The permittee must conduct one of the following to demonstrate compliance with the Emission Limitations Permit Condition:

1. Reduce CO emissions by measuring O₂ at the inlet and outlet of control device using a portable CO and O₂ analyzer.
 - Use ASTM D6522-00 and measurements to determine O₂ must be made at the same time as the CO concentration. OR
 - EPA Method 10 and the CO concentration must be at 15% O₂, dry basis

OR,
- 2a. Limit the concentration of formaldehyde in the engine(s) exhaust
 - Select a sampling port location and the number of transverse points using 40 CFR 60 Method 1 or 1A. If using a control device, the sampling port must be at outlet of device.
 - Determine O₂ concentration using 40 CFR 60 Method 3, 3A, 3B or ASTM Method D6522-00. Measurements of O₂ must be made at same time and location of formaldehyde concentration.
 - Measure moisture Content of the engine(s) exhaust using 40 CFR 60 Method 4, Test Method 320 of 40 CFR 63 or ASTM D 6348-03. Measurements of moisture content must be made at same time and location of formaldehyde concentration.
 - Measure Formaldehyde of the engine(s) exhaust using Method 320 of 40 CFR 63 or ASTM D 6348-03. The percent R must be greater than or equal to 70 and less than or equal to 130. Formaldehyde concentration must be at 15% O₂, dry basis. Average of three 1-hr or longer runs.

OR,
- 2b. Limit the concentration of CO in the of engine(s) exhaust

- Measure CO at exhaust of CI ICE using 40 CFR 60 Method 10, ASTM Method D6522-00, Method 320 of 40 CFR 63 or ASTM D6348-03. CO concentration must be at 15% O₂, dry basis. Average of three 1-hr or longer runs.

In accordance with 40 CFR 63.6612(b), an initial performance test does not need to be conducted on an engine that has previously been tested but it must meet all of the following:

- Test must have been conducted using the identical methods stated above.
- Test must not be older than two years
- Test must be reviewed and accepted by the DEQ

No Process or equipment changes since the last test or must be able to demonstrate that the results of the test, with or without adjustments, reliably demonstrate compliance despite the changes.

5.12 Performance Testing Procedures

In accordance with 40 CFR 63.6620(b), all test procedures must comply and be conducting using one of the approved methods stated in the Initial Performance Test permit condition. The test must be conducted at any load condition within plus or minus 10 percent of 100 percent load. Each test must also consist of three (3) 1-hour runs.

If demonstrating compliance with the percent CO reduction requirement, appropriate calculations and conversions, where applicable, must be applied in accordance with 40 CFR 63.6620(e).

If compliance is demonstrated with the CO percent reduction limitation without use of an oxidation catalyst, or compliance is demonstrated with the formaldehyde percent reduction limitation without use of Non-selective catalytic reduction, the permittee must petition the DEQ to establish operating limitations to be used during the initial performance test and to be monitored continuously thereafter in accordance with 40 CFR 63.6620(f). As an alternative, the permittee may request approval of no operating limitations from the DEQ. The initial performance test shall not be conducted until the EPA approves the petition.

Should the permittee petition the DEQ for approval of operating limitations, it shall include all information in accordance with 40 CFR 63.6620(g).

Should the permittee petition the DEQ for approval of no operating limitations, it shall include all information in accordance with 40 CFR 63.6620(h).

All testing procedures and results must demonstrate compliance with 40 CFR 63.6630.

Monitoring and Recordkeeping Requirements

5.13 Engine Operational Time Monitoring

The permittee shall monitor and record on a daily basis, the operating hours for engine operation to demonstrate compliance with the Hours of Operation Limit.

5.14 Recordkeeping Requirements

In accordance with 40 CFR 63.6655, on and after the compliance date, the following records must be kept onsite:

- A copy of each notification and report that was submitted
- Occurrence and duration of each malfunction of operation, control equipment and monitoring equipment
- Performance Tests and results
- All required maintenance on the engine(s), control and monitoring equipment
- Corrective Action taken

All records shall be readily accessible in hard copy or electronic form for a minimum of five (5) years after the date of each occurrence, measurement, maintenance procedure, corrective action or report in accordance with 40 CFR 63.6660.

5.15 Notification Requirements

In accordance with 40 CFR 63.6645(g-h), the following notifications must be sent to the DEQ:

- Submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.
- Submit a Notification of Compliance Status
 - Submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration if a performance test is not included.
 - Submit the Notification of Compliance Status and the test results before the close of business on the 60th day following the completion of the initial performance test, if a performance test is required.

5.16 Reporting Requirements

A semiannual and annual compliance report must be submitted to the DEQ in accordance with 40 CFR 63.6650(b). The reports must include the following:

- First Semiannual Compliance Report must cover period beginning May 3, 2013 through June 30, 2013 and must be postmarked no later than July 31, 2013.
- Subsequent reports must cover period beginning January 1 – June 30 and July 1 – December 31 and must be postmarked no later than July 31 or January 31, whichever date is the first following the reporting period.
- First Annual Report must cover period beginning May 3, 2013 and ending December 31, 2013 and must be postmarked no later than January 31, 2014.
- Subsequent Annual Reports from January 1 – December 31 and must be postmarked no later than January 31.

In accordance with 40 CFR 63.6650(c), all reports must include:

- Company name and address, statement by responsible official with name, title, signature all certifying accuracy
- Date of report, Beginning and ending dates of reporting period
- If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions, including actions taken to correct a malfunction.
- If there are no deviations from typical operations state as such in the report.

5.17 Notification & Reporting Address

Any notifications or reporting required by the National Emission Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ or Subpart A – General Provisions shall be submitted to both of the following addresses in accordance with 40 CFR 63.13:

Air Quality Permit Compliance
Department of Environmental Quality
Idaho Falls Regional Office
900 N. Skyline, Ste. B
Idaho Falls, ID 83201
Phone: (208) 528-2650
Fax: (208) 528-2695

5.18 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 for Source Categories (NESHAP), 40 CFR Part 63, Subpart ZZZZ

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.

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 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 and 4/11/15]

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]