



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

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

June 5, 2008

Certified Mail No. 7190 0596 0014 0000 2918

Shane Holden, Manager
Walters Ready Mix, Inc.
P.O. Box 390
Rexburg, Idaho 83440

RE: Facility ID No. 777-00328, Vince Hagen 1083-JP Concrete Batch Plant, Portable
Final Permit Letter

Dear Mr. Holden:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2008.0047 to Walters Ready Mix, Inc., to replace the 230 kW diesel generator with a 309 kW diesel generator for this portable concrete batch plant currently located at INTEC at the Idaho National Laboratory, in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on March 28, 2008, and supplemental information received on April 28, 2008. This permit is effective immediately and replaces PTC No. P-030516, issued on December 29, 2003, the terms and conditions of which no longer apply. This permit does not release Walters Ready Mix, Inc., from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to General Provision 5 of your permit, it is required that Construction and Operation Notification be provided. Please provide this information as listed to DEQ's Idaho Falls Regional Office, 900 N. Skyline, Suite B, Idaho Falls, Idaho 83402, Fax (208) 528-2695.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Maria Miles, Air Quality Analyst, at (208) 528-2650 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition

Walters Ready Mix, Inc., Rexburg
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for a contested case, I encourage you to contact Cheryl Robinson at (208) 373-0220 or cheryl.robinson@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Simon". The signature is fluid and cursive, with a large, stylized "M" and "S".

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\CR\hp

Project No. P-2008.0047

Enclosures

cc: Shane Holden, Manager, Walters Ready Mix, Inc., valleyready@ida.net



**Air Quality
PERMIT TO CONSTRUCT
State of Idaho
Department of Environmental Quality**

PERMIT No.: P-2008.0047
FACILITY ID No.: 777-00328
AQCR: Portable **CLASS:** B
SIC: 3273 **ZONE:** Portable
UTM COORDINATE (km): Portable

1. PERMITTEE

Walters Ready Mix, Inc.

2. PROJECT

Replace 230 kW diesel generator with 2007 Model Year 309 kW diesel generator

3. MAILING ADDRESS

P.O. Box 390

CITY

Rexburg

STATE

ID

ZIP

83440

4. FACILITY CONTACT

Shane Holden

TITLE

Manager

TELEPHONE

(208) 529-6677 or (208) 356-5491
 Cell: (208) 313-5680
 valleyready@ida.net

5. RESPONSIBLE OFFICIAL

Shane Holden

TITLE

Manager

TELEPHONE

See above.

6. EXACT PLANT LOCATION

Portable. Current location INTEC, INL Coal Fire Plant

COUNTY

Portable. Current: Butte

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Concrete batch plant

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200 through 228, and 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.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) 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; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) 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.

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

This permit has been granted on the basis of design information presented with its application. Changes in design, equipment or operations may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 through 228 of the Rules for the Control of Air Pollution in Idaho.

CHERYL A. ROBINSON, P.E., PERMIT WRITER
 DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER
 DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE MODIFIED/REVISED:	June 5, 2008
DATE ISSUED:	December 29, 2003

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Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
CFR	Code of Federal Regulations
CO	carbon monoxide
cy/day	cubic yards of concrete per calendar day
cy/hr	cubic yards of concrete per hour
cy/yr	cubic yards of concrete per consecutive 12-calendar month period
DEQ	Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer(s)
kW	kilowatt(s)
m	meter(s)
NMHC	nonmethane hydrocarbons
NSPS	New Source Performance Standards
O&M	Operations and Maintenance
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PTC	permit to construct
SIC	Standard Industrial Classification
UTM	Universal Transverse Mercator

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2008.0047

Permittee: Walters Ready Mix, Inc.
Location: Rexburg, Idaho

Facility ID No. 777-00328

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 The purpose of this permit is to authorize the replacement of the 230 kW diesel generator with a new diesel generator rated at 309 kW.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by a date citation located directly under the permit condition and on the right hand margin.
- 1.3 This PTC replaces PTC No. P-030516, issued on December 29, 2003, the terms and conditions of which shall no longer apply.

Regulated Sources

- 1.4 Table 1.1 lists all sources of regulated emissions in this PTC.

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emissions Control(s)
2	Concrete Batch Plant – Truck Mix: Manufacturer: Vince Hagen Model: 1083-JP Manufacture Date: 2003 Maximum production capacity: 150 cy/hr	Cement Storage Silo Baghouse: Manufacturer: Vince Hagen Model: 1083-JP Intruss Baghouse PM/PM ₁₀ Control Efficiency: Minimum 99.0%
2	Weigh Batcher	Baghouse or equivalent PM/PM ₁₀ Control Efficiency: Minimum 99.0%
2	Materials Transfer: Truck Loading (Fugitives)	Truck Loadout Transfer Point Rubber Boot Enclosure or equivalent Estimated Control Efficiency: Minimum 95%
2	Materials Transfer (Fugitives) Aggregate dump to ground, Sand dump to ground, Aggregate dump to conveyor, Sand dump to conveyor, Aggregate conveyor to elevator storage, and Sand conveyor to elevated storage.	Water Sprays or equivalent. Estimated Control Efficiency: 75%
2	Process Hot Water Heater Rating: 2.8 MMBtu/hr Fuel: Natural Gas	None
3	Generator: Manufacturer: Detroit Diesel Model: Series 60 (12.72) 6063MK35 Manufacture Date: 4/19/2007 Serial Number: SCMAF6001F2 Rated Capacity: 309 kW Fuel Type: Diesel Fuel Sulfur Content: 0.05 wt% Full Load Fuel Consumption: 31.2 gal/hr Actual Consumption Rate: 23.4 gal/hr	None

[June 5, 2008]

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Permittee: Walters Ready Mix, Inc.
Location: Rexburg, Idaho

Facility ID No. 777-00328

2. CONCRETE BATCH PLANT

2.1 Process Description

The facility is a 150 cy/hr portable truck mix concrete batch plant consisting of aggregate storage piles or bins, a cement storage silo, weigh batcher, and conveyors. The plant combines sand, gravel, and cement, and transfers the mixture into a truck along with a measured amount of water for in-transit mixing of the concrete. A small natural gas-fired water heater may be used to warm the process water during very cold conditions. Electrical power for the portable facility will be provided by the local electric utility or by a backup diesel generator.

2.2 Emissions Control Description

Table 2.1 CONCRETE BATCH PLANT DESCRIPTION

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
Cement Storage Silo	Baghouse	<u>Cement Silo Baghouse Stack</u> Height: 5.9436 m (19.5 ft) Exit Diameter: 0.5267 m (1.73 ft) Exit air flow rate: not given Exit air flow velocity: 14.08 m/sec PM/PM ₁₀ Control Efficiency: Minimum 99.0%
Weigh Batcher	Baghouse or equivalent	<u>Weigh Batcher Baghouse Stack</u> Height: Not given Exit Diameter: Not given Exit air flow rate: Not given PM/PM ₁₀ Control Efficiency: Minimum 99.0%
Materials Transfer: Truck Loading (Fugitives)	Rubber Boot Enclosure or equivalent	Truck Loadout Transfer Point Estimated Control Efficiency: 95%
Materials Transfer (Fugitives)	Water Sprays or equivalent	Aggregate dump to ground, Sand dump to ground, Aggregate dump to conveyor, Sand dump to conveyor, Aggregate conveyor to elevator storage, and Sand conveyor to elevated storage. Estimated Control Efficiency: 75%
Process Hot Water Heater	Rating: 2.8 MMBtu/hr Fuel: Natural Gas	None

[June 5, 2008]

Emissions Limits

2.3 Opacity Limit

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

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Permittee: Walters Ready Mix, Inc.
Location: Rexburg, Idaho

Facility ID No. 777-00328

Operating Requirements

2.4 Operating Limits - Operations in any PM_{2.5} or PM₁₀ attainment or unclassified area:

2.4.1 The annual concrete production rate shall not exceed the values shown in Table 2.2 below for any consecutive 12-calendar month period, based on the minimum setback distance at the site.

[June 5, 2008]

2.4.2 The daily concrete production rate shall not exceed the values shown in Table 2.2 below for any calendar day period, based on the minimum setback distance at the site. The minimum setback shall be defined as the minimum distance from any area outside of a structure where the general public has access. This distance shall be measured from the nearest edge of any storage pile, silo, weigh batcher, transfer point, or conveyor associated with this concrete batch plant.

Table 2.2 DAILY CONCRETE PRODUCTION LIMITS AND SETBACKS

Minimum Setback:	40 meters (131 feet)	60 meters (197 feet)	100 meters (328 feet)
Daily Concrete Production Limit:	1,500 cy/day ^a	2,400 cy/day ^a	3,600 cy/day ^a
Annual Concrete Production Limit:	300,000 cy/yr ^b	400,000 cy/yr ^b	500,000 cy/yr ^b

^a cy/day = cubic yards of concrete in any calendar day period.

^a cy/yr = cubic yards of concrete in any consecutive 12-calendar month period.

[June 5, 2008]

2.5 Operations and Maintenance Manual

2.5.1 The permittee shall maintain an Operations and Maintenance (O&M) manual for the baghouse(s), or equivalent control devices used to control the PM and PM₁₀ emissions from the concrete batch plant. The O&M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouse(s). The manual shall contain, at a minimum, requirements for monthly inspections of the baghouses during each month of operation. The inspections shall include, but not be limited to, checking the bags for structural integrity and that they are appropriately secured in place, and they are not plugged. The manual shall contain procedures for operating manual or automatic systems to ensure that fugitive dust emissions from transfer points are reasonably controlled. The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

[June 5, 2008]

2.5.2 The permittee shall operate the baghouses/cartridge filters and fugitive dust control measures in accordance with the O&M manual.

[June 5, 2008]

2.5.3 The operation and monitoring requirements specified in the O&M manual are incorporated by reference to this permit and are enforceable permit conditions.

[June 5, 2008]

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Location:	Rexburg, Idaho

Facility ID No. 777-00328

2.6 Fugitive Dust Control Strategies

The permittee shall immediately implement a strategy or strategies to control fugitive dust emissions whenever:

- 2.6.1 Visible fugitive emissions are observed leaving the facility boundary. For the purposes of this permit condition, visible emissions shall be determined on a see/no see basis, and the facility boundary shall be defined by the setback requirement described in Permit Condition 2.4.

[June 5, 2008]

- 2.6.2 Visible fugitive emissions are greater than 20% from any transfer point. For the purposes of this permit condition, transfer points include, but are not limited to, the following: transfer of sand and aggregate to respective weight bins/hoppers or storage bins/hoppers; transfer of sand and aggregate from respective weight bins/hoppers or storage bins/hoppers to a conveyor; transfer of sand and aggregate from a conveyor to the mixer; and transfer of cement and cement supplement from the storage silo to the mixer. Transfer point control strategies for this facility shall include installing, operating, and maintaining water spray bars at transfer points, and may also include limiting drop heights such that there is a homogeneous flow of material.

[June 5, 2008]

- 2.6.3 Visible fugitive emissions from wind erosion on stockpiles exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period.

Stockpile wind erosion control strategies include, but are not limited to, the following: limit the height of the stockpiles; limit the disturbance of stockpiles; and apply water or a chemical dust suppressant onto the surface of the stockpile.

[June 5, 2008]

- 2.6.4 Visible fugitive emissions from vehicle traffic on any paved or unpaved roads within the facility boundary of the concrete batch plant exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period.

Visible fugitive emissions control strategies for vehicle traffic on paved and unpaved roads within the facility boundary include, but are not limited to, the following: limit vehicle traffic; limit vehicle speed; apply water or a chemical dust suppressant to the surface of the road; apply gravel to the surface of unpaved roads; and sweep or use water sprays to clean the surface of a paved road.

[June 5, 2008]

2.7 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be taken to prevent particulate matter 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 PM. 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, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.

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- 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, when 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.

Monitoring and Recordkeeping Requirements

2.8 Operations Monitoring

The permittee shall monitor and record the daily (when the facility is operated that day), monthly, and annual concrete production to demonstrate compliance with Permit Condition 2.4. Annual production shall be determined by summing each monthly production total over the previous consecutive 12-calendar month period.

[June 5, 2008]

2.9 Ambient Air Boundary Setback Monitoring

The permittee shall physically measure and record the minimum setback distance to demonstrate compliance with Permit Condition 2.4:

- Each time the facility is relocated,
- Any time the facility layout is changed in such a way that the minimum setback distance is reduced compared to previous operations at that location.

Information recorded shall include, but not be limited to, a brief description of the nearest distance to any area where the general public has access, identification of the plant component (storage pile, conveyor, silo, etc.) that the distance is based on, and the minimum setback distance in meters or feet to an accuracy of plus or minus 1.8 meters (6 feet).

[June 5, 2008]

2.10 Visible Emissions/Opacity Monitoring

Each day that the facility is operated, the permittee shall conduct a facility-wide inspection of potential sources of visible emissions, including the baghouse (or equivalent) stacks, during daylight hours and under normal operating conditions. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. 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 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

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Location: Rexburg, Idaho

Facility ID No. 777-00328

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.

[June 5, 2008]

2.11 Fugitive Dust Monitoring

Each day that the facility is operated, the permittee shall conduct a 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.

Each time fugitive dust emissions trigger correction of a dust control strategy or implementation of additional dust control strategies, the permittee shall monitor and record the trigger, the corrective action used, and the results achieved from the use of that control strategy or strategies.

[June 5, 2008]

PM_{2.5} and PM₁₀ Nonattainment Areas

2.12 PM_{2.5} and PM₁₀ Nonattainment Area Operations

Under this permit, the permittee shall not relocate and operate this concrete batch plant in any PM_{2.5} or PM₁₀ nonattainment area. These areas currently include the Pinehurst and Sandpoint PM₁₀ nonattainment areas. Contact DEQ for current nonattainment area status and more specific details about the nonattainment area boundaries. Should the permittee desire to operate in any PM_{2.5} or PM₁₀ nonattainment area, the permittee shall submit a PTC application to modify this permit.

[June 5, 2008]

Collocation

2.13 Collocated Operations

2.13.1 Under this permit, this concrete-batching facility may not collocate with any other source of emissions, including another portable rock-crushing plant, portable hot-mix asphalt plant, or portable concrete batch plant.

[June 5, 2008]

2.13.2 This concrete-batching facility shall be considered to be collocated if the nearest distance between any emissions point associated with the other emissions source and any pile or piece of equipment associated with this Walters Ready Mix batch plant is less than 200 meters (656 feet).

[June 5, 2008]

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Reporting Requirements

2.14 Relocation

At least 10 days prior to relocation of any equipment covered by this permit, the permittee shall submit a scaled plot plan and a complete Portable Equipment Relocation Form (PERF) in accordance with IDAPA 58.01.01.500, to the following address or fax number:

Air Quality Program Office – Application Processing
Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706-1255

Fax to: (208) 373-0340, Attention: Air Quality Program Office – Application Processing

The scaled plot plan shall show the location of, and distances to, the closest area outside a structure that is accessible to the general public, to demonstrate compliance with the required setback described in Permit Condition 2.4.

Electronic copies of the PERF may be obtained from DEQ's website in both pdf and Word® versions at:

http://www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.pdf, or
http://www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.doc

[June 5, 2008]

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Permittee:	Walters Ready Mix, Inc.	Facility ID No. 777-00328
Location:	Rexburg, Idaho	

3. GENERATOR

3.1 Process Description

Electrical power for the portable facility will be provided by the local electric utility or by a backup diesel generator.

3.2 Emissions Control Description

Table 3.1 GENERATOR DESCRIPTION

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
Generator: Manufacturer: Detroit Diesel Model: Series 60 (12.72) 6063MK35 Manufacture Date: 4/19/2007 Serial Number: SCMAF6001F2 Rated Capacity: 309 kW Fuel Type: Diesel Fuel Sulfur Content: 0.05 wt% Full Load Fuel Consumption: 31.2 gal/hr Actual Consumption Rate: 23.4 gal/hr	None	<u>Generator Stack</u> Parameters: Not given

[June 5, 2008]

Emissions Limits

3.3 40 CFR 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards and 40 CFR 60.4204(b)

In accordance with 89.112 and 60.4204(b), the maximum generator exhaust emissions shall comply with the emission standards shown in Table 3.2.

Table 3.2 GENERATOR EXHAUST EMISSIONS LIMITS

Emission Standard	Rated Power (kW)	Tier & Model Year ^a	NMHC+NO _x (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)
89.112 (a) Table 1. Oxides of nitrogen, CO, HC, and PM exhaust emission standards.	225 ≤ kW ≤ 450	Tier 3 2006	4.0	3.5	0.20

^a Model year for which the standard first takes effect.

[June 5, 2008]

3.4 Opacity

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

3.4.2 In accordance with 40 CFR 89.113(a), Smoke Emission Standard, and 40 CFR 60.4204(b), exhaust opacity from the generator shall not exceed 20 percent during the acceleration mode, 15 percent during

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the lugging mode, and 50 percent during the peaks in either the acceleration or lugging modes. Opacity levels are to be measured and calculated as set forth in 40 CFR 86, Subpart I.

[June 5, 2008]

Operating Requirements

3.5 Generator Operating Hours

The hours of operation for the generator shall not exceed 7,825 hours in any consecutive 12-calendar month period.

[June 5, 2008]

3.6 Requirements for a Nonroad Diesel Engine

Permit Conditions 3.6.1 through 3.6.4 apply if the generator is being operated as a nonroad engine. As defined in 40 CFR 1068.30(1), a nonroad engine is any internal combustion engine:

- (i) In or on a piece of equipment that is self-propelled or serves a dual purpose by both propelling and performing another function;
- (ii) [does not apply]; or
- (iii) That, by itself or in a piece of equipment, is portable or transportable, meaning designed to be and capable of being carried or moved from one location to another. Indicia of transportability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform,

and that does not meet the definition of a “stationary” source as defined in 40 CFR 1068.30(2)(iii).

[June 5, 2008]

3.6.1 On or after December 1, 2010, in accordance with 40 CFR 80.610(e)(3)(iii), the permittee shall not use fuel in the nonroad diesel engine that does not comply with the applicable standards, dye and marking requirements of:

80.510(a): Diesel fuel with a maximum sulfur content of 500 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent; and

80.510(e): Marking provisions in effect for fuels from June 1, 2010 through May 31, 2012.

[June 5, 2008]

3.6.2 No person shall cause another person to commit an act in violation of 40 CFR 80.610 paragraphs (a) through (e), in accordance with 80.610(f).

[June 5, 2008]

3.6.3 On or after December 1, 2014, in accordance with 40 CFR 80.510(e)(3)(iii), the permittee shall not use fuel in the nonroad diesel engine that does not comply with the applicable standards, dye and marking requirements of:

80.510(b): Diesel fuel with a maximum sulfur content of 15 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent; and

80.510(e): Marking provisions in effect for fuels from June 1, 2010 through May 31, 2012.

[June 5, 2008]

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3.6.4 No person shall (i) knowingly remove or render inoperative a device or element of design installed on or in a nonroad engine in compliance with 40 CFR 89; (ii) manufacture or install a part or component intended for use with, or as part of, a nonroad engine, where a principal effect of the part or component is to bypass, defeat, or render inoperative a device or element of design installed on or in a nonroad engine in compliance with 40 CFR 89, and where the person knows or should know that the part or component is being installed for this use or put to such use, or; (iii) deviate from the provisions of 89.130 when rebuilding an engine (or rebuilding a portion of an engine or engine system, in accordance with 40 CFR 89.1003(3)(i) through (iii).

[June 5, 2008]

3.7 Requirements for a Stationary Diesel Engine – NSPS Subpart III

Permit Conditions 3.7.1 through 3.7.6 apply if the generator is not being operated as a nonroad engine, i.e., is a “stationary” source. As defined in 40 CFR 1068.30(2)(iii), the generator is not a nonroad engine if it:

- Remains or will remain at a location for more than 12 consecutive months, or
- Remains at a seasonal source during the full annual operating period of the seasonal source, where a seasonal source is defined as a stationary source that remains in a single location for at least two years and that operates at that single location approximately three months (or more) each year.

In accordance with 1068.30(2)(iii), the generator may be considered a nonroad engine—not subject to Subpart III—after the engine is removed from the location.

[June 5, 2008]

3.7.1 40 CFR 60, Subpart III – Emission Standards for Owners and Operators

The permittee shall operate and maintain the generator according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, over the entire life of the engine, in accordance with 40 CFR 60.4206.

[June 5, 2008]

3.7.2 40 CFR 60, Subpart III - Fuel Requirements for Owners and Operators

- Beginning October 1, 2007, the permittee shall use only diesel fuel that meets the requirements of 40 CFR 80.510(a), with a maximum sulfur content of 500 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, in accordance with 40 CFR 60.4207(a).
- Beginning October 1, 2010, the permittee shall use only diesel fuel that meets the requirements of 40 CFR 80.510(b), with a maximum sulfur content of 15 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, in accordance with 40 CFR 60.4207(b).

[June 5, 2008]

3.7.3 40 CFR 60, Subpart III – Installation Deadlines for Installing Previous Model Year Generator

The permittee shall comply with the deadlines for importing and installing a generator produced in a previous model year, in accordance with 40 CFR 60.4208 (a) through (g).

[June 5, 2008]

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3.7.4 40 CFR 60, Subpart III – Monitoring Requirements (Backpressure Monitor)

If the generator is equipped with a diesel particulate filter to comply with the emission standards in 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached, in accordance with 40 CFR 4209(b).

[June 5, 2008]

3.7.5 40 CFR 60, Subpart III – Compliance Requirements

In accordance with 40 CFR 60.4211(a):

- The permittee shall operate and maintain the generator and control device according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer.
- The permittee may change only those settings that are permitted by the manufacturer.
- The permittee must also meet the requirements of 40 CFR 89 and/or 1068, as they apply to the permittee.

In accordance with 40 CFR 60.4211(c):

- To replace this 2007 model year generator, the permittee must purchase an engine certified to the emission standards in 60.4204(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

[June 5, 2008]

3.7.6 40 CFR 60, Subpart III – Testing Requirements for Owners and Operators

- Upon request, the permittee must establish and maintain records, perform tests, make reports and provide additional information that EPA may reasonably require under section 208 of the Act (42 U.S.C. 7542), which also applies to engines that have been exempted from emission standards or prohibited acts, in accordance with 40 CFR 1068.25(a).
- Any required performance tests shall be conducted according to the paragraphs of 40 CFR 60.4212 (a) through (d).

[June 5, 2008]

Monitoring and Recordkeeping Requirements

3.8 **Fuel Sulfur Content Recordkeeping**

The permittee shall maintain documentation of supplier verification of the maximum fuel oil sulfur content, and minimum cetane index or a maximum aromatic content in volume percent, on an as-received basis for every shipment, in accordance with General Provision 7 and to demonstrate compliance with Permit Conditions 3.6.1, 3.6.2, and 3.7.2, as applicable.

[June 5, 2008]

3.9 **Operations Monitoring**

The permittee shall monitor and record the daily (when the generator is operated that day), monthly, and annual generator hours to demonstrate compliance with Permit Condition 3.5. Annual generator hours

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shall be determined by summing each monthly total over the previous consecutive 12-calendar month period.

[June 5, 2008]

3.10 40 CFR 60, Subpart III – Notification, Reports, and Records for Owners and Operators

For any periods when the generator is not being operated as a nonroad engine, and if it is equipped with a diesel particulate filter to comply with the emission standards in 60.4204, the permittee shall keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine has been approached, in accordance with 40 CFR 60.4214(c).

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4. PERMIT TO CONSTRUCT GENERAL PROVISIONS

General Compliance

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

[IDAPA 58.01.01.212.01, 5/1/94]

Inspection and Entry

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

[Idaho Code §39-108]

Construction and Operation Notification

5. The permittee shall furnish DEQ written notifications as follows in accordance with IDAPA 58.01.01.211:
 - a. A notification of the date of initiation of construction, within five working days after occurrence;
 - b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

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- c. 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;
- d. A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- e. 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, 5/1/94]

Performance Testing

- 6. 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.

[IDAPA 58.01.01.157, 4/5/00]

Monitoring and Recordkeeping

- 7. 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]

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Excess Emissions

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]