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
Curt Fransen, Director

February 20, 2015

Terry Hudson, Concrete Production Manager
Southwest Concrete Paving Co.
20430 North 19th Avenue, Suite B-100
Phoenix, AZ 85027

RE: Facility ID No. 777-00547, Southwest Concrete Paving, MHAFB
Typographical Error Correction Notification

Dear Mr. Hudson:

Enclosed is revised Permit to Construct No. P-2014.0043, Project 61448, which replaces your recently issued permit on January 12, 2015, which contained a typographical error. The typographical error was on the front page of the permit, and has been corrected. Please replace the permit that DEQ recently mailed you with this corrected permit. The accompanying Statement of Basis document remains unchanged.

Sincerely,

Bill Rogers for

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS/reb

Enclosure

Permit No. P-2014.0043 Project 61448

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Air Quality

# PERMIT TO CONSTRUCT

| | |
|---|---|
| **Permittee** | Southwest Concrete Paving Co. 00547 |
| **Permit Number** | P-2014.0043 |
| **Project ID** | 61448 |
| **Facility ID** | 777-00547 |
| **Facility Location** | Mountain Home Air Force Base<br>Mountain Home, Idaho |

## 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 12, 2015

**Robert Baldwin, Permit Writer**

Bill Rogers for

**Mike Simon, Stationary Source Manager**

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## PERMIT TO CONSTRUCT SCOPE

### Purpose

1. This permitting action is for issuing a General Concrete Batch Plant permit to construct.
2. The emission sources regulated by this permit are listed in the following table.

**Table 1 REGULATED SOURCES**

| Source Descriptions | Emission Controls |
|---|---|
| **Concrete Batch Plant –Central Mix**<br>Manufacturer: RexCon<br>Model: Style S<br>Manufacture Date: January 1, 2006<br>Maximum capacity: 350 cy/hr<br>Maximum production: 2500cy/day and 60,000 cy/year | **Cement Storage Silo Baghouse No. 1[a]:**<br>Manufacturer: C & W<br>Model: RA-200<br><br>**Cement Supplement Storage Silo Flyash Baghouse No. 2[a]:**<br>Manufacturer: C & W<br>Model: RA-200<br><br>**Weigh Batcher Baghouse:**<br>Manufacturer: C & W<br>Model: RA-200<br>Control Efficiency: 99%<br><br>**Truck Load-out Shroud**<br>Baghouse<br>Control Efficiency: 99%<br><br>**Material Transfer Point Water Sprays or Equivalent**<br>**Control Efficiency:** 75% |
| **Line Power** – Primary electrical source while operating at MHAFB | **No control devices** |
| **Diesel Engine (or equivalent)[b]**<br>Maximum Rating: 1207 bhp<br>Construction Date: 10/1/2013<br>EPA Certification: Tier# 4<br>Sulfur Content: 0.0015% | **No control devices** |
| **Diesel Engine (or equivalent)[b]**<br>Maximum Rating: 192 bhp<br>Construction Date: 1/1/1999<br>EPA Certification: Tier# 1<br>Sulfur Content: 0.0015% | **No control devices** |
| **LPG or Diesel Water heater(s) (or equivalent)[b]**<br>Maximum Rating: 4.2 MMBtu/hr<br>Maximum Fuel Usage: 1101.6 gal/day propane or 360 gal/day diesel | **No control devices** |

a. Both the storage silo baghouse and supplement storage silo flyash baghouse are considered process equipment. Therefore, there is no associated control efficiency. $PM_{10}$ controlled emission factors were used when determining PTE and for modeling purposes.

b. "or equivalent" is defined as equipment which has an equivalent or less brake horsepower than listed in this table, which does not result in an increase in emissions, and which does not result in the emission of a toxic air pollutant not previously emitted.

## FACILITY WIDE CONDITIONS

### Fuel Specifications

3. **Allowable Fuels – Water Heater(s)**

The boiler shall combust only the following fuels:

- Liquid propane gas
- ASTM Grades 1 or 2 distillate fuel oil or a mixture of the two with a maximum sulfur content of 0.0015% by weight

4. **Allowable Fuels – Compression ICEs**

The engine(s) shall combust only the following fuels:

- ASTM Grades 1 or 2 distillate fuel oil or a mixture of the two with a maximum sulfur content of 0.0015% by weight and a minimum cetane index of 40 or maximum aromatic content of 35% by volume. The per-gallon standards are derived from 40 CFR 80.510(b) and incorporated by reference into 40 CFR 60.4207(a) and 40 CFR 63.6604.

### Fuel Monitoring and Recordkeeping

5. **Allowable Fuel Documentation**

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

### Fugitive Dust Control

6. **Reasonable Control of Fugitive Dust Emissions**

The permittee shall control fugitive emissions generated by operations associated with the CBP plant to ensure that visible fugitive emissions do not extend beyond the facility property boundary. Visible fugitive emissions shall be determined using see/no see observations.

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.
- 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.

7. **Fugitive Dust Control – Best Management Practices**

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

- Visible fugitive emissions generated by activities associated with this CBP plant are observed leaving the facility boundary.
- Visible emissions shall be determined on a see/no see basis.

For the purpose of the following conditions, if any visible fugitive emissions are present at the property boundary from these sources described below, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 visible emissions (VE) test.

- 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 providing manual water spray capability or installing, operating, and maintaining industry specific water spray bars at transfer points, and may also include limiting drop heights such that there is a homogeneous flow of material.
- 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. Reasonable stockpile wind erosion control strategies for this facility include, but are not limited to, limiting the height of the stockpiles, limiting the disturbance of stockpiles or covering the stockpiles during windy conditions, enclosing the piles in a 3-sided bunker or storage bin, and application of water or a chemical dust suppressant onto the surface of the stockpile.
- Visible fugitive emissions from vehicle traffic on any paved or unpaved roads within the facility boundary exceed 20% opacity for a period or periods aggregating more than one minute in any 60-minute period.
- Reasonable control strategies for this facility include but are not limited to limiting vehicle traffic, limiting vehicle speed, application of water or a chemical dust suppressant to the surface of the road, application of gravel to the surface of unpaved roads, sweeping or water sprays to clean the surface of a paved road, and grates, water washes, or other suitable methods to prevent track-out onto paved roads.

## Fugitive Dust Control Monitoring and Recordkeeping

8. **Fugitive Dust Monitoring**

Each day that the facility is operated, the permittee shall conduct a facility-wide inspection of potential sources of fugitive emissions (e.g., stockpiles, transfer points, etc.) 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), hours of operation (start & stop) of water, or chemical dust suppressant, application systems, hours of operation of each material handling equipment, certification of data recordkeeping in accordance with general provisions and 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.

## Opacity

9. **Opacity Limit**

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

## Visible Emissions Monitoring and Recordkeeping

10. **Visible Emission/Opacity Monitoring**

Each month that the facility is operated, the permittee shall conduct a facility-wide inspection of potential sources of visible emissions (e.g., baghouses, stack equipment, generator exhaust stacks etc.) 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:

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. The Method 9 test shall be performed by a certified observer. 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 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.

## Odors

11. **Odors**

In accordance with IDAPA 58.01.01.776.01, the permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids into the atmosphere in such quantities as to cause air pollution.

12. **Odor Complaints**

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

## Nonattainment Areas

13. **Nonattainment Area Operations**

The permittee shall not relocate and operate any equipment in any nonattainment area. Contact DEQ for current nonattainment area status and more specific details about the nonattainment area boundaries. The geographical locations of nonattainment area in Idaho may be found online at the DEQ website.

## Co-location

14. **Co-location Operations**

**When electrical power is supplied by IC engine**

The emissions sources listed for this CBP shall not collocate with more than one rock crushing plant and shall not locate within 1,000 feet (305 meters) of any other asphalt plant or concrete batch plant.

**When electrical power is supplied by line power**

This CBP has no collocation restrictions when using line power.

## Reporting Requirements

15. **Relocation Operations**

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:

PERF Processing Unit
DEQ – Air Quality
1410 N. Hilton
Boise, ID 83706-1255
Phone: (208) 373-0502
Fax: (208) 373-0340

The scaled plot plan shall show the location of any emissions source associated with the concrete batch plant, and distances to any area outside of a building where the general public has access, including property boundaries.

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

## 40 CFR 60, Subpart A – General Provisions

16. The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart A – General Provisions. The summary table below is intended to direct the permittee toward the proper section of the CFR.

**Table 2 SUBPART A – GENERAL PROVISIONS**

| Section | Section Title | Summary of Section Requirements |
|---|---|---|
| 60.4 | Address | • All requests, reports, applications, submittals, and other communications associated with 40 CFR 60, Subparts A & IIII shall be submitted to:<br>Department of Environmental Quality<br>Boise Regional Office<br>1445 N. Orchard<br>Boise, ID 83706 |
| 60.7(a),(b),(c), (d) and (f) | Notification and Record Keeping | • Notification of commencement of construction postmarked no later than 30 days after such date.<br>• Notification of startup postmarked within 15 days of such date.<br>• Notification of physical or operational change that may increase emissions postmarked 60 days before the change is made.<br>• Maintain records of the occurrence and duration of any: startup, shutdown or malfunction of the affected source; malfunction of air pollution control device; and any period when a monitoring device is inoperative.<br>• Maintain in a permanent form records suitable for inspection of all Monitoring and Recordkeeping permit condition requirements, performance testing measurements, operation and maintenance manual, adjustments/maintenance performed and other required information. Records shall be maintained for a period of five years, with the exception of the O & M manual, which shall be updated as needed for the life of the equipment. Records are to be made available to DEQ representatives upon request and within four hours. |
| 60.8 | Performance Tests | • The owner or operator shall provide notice at least 30 days prior to any performance test to afford an opportunity for an observer to be present during testing.<br>• Within 60 days of achieving maximum production, but not later than 180 days after startup the permittee shall conduct performance test(s) and furnish a written report of the results of the test(s). |
| 60.11(b), (c), and (e) | Compliance with Standards and Maintenance Requirements<br>(Opacity) | • Compliance with opacity standards shall be determined by Method 9 in Appendix A of 40 CFR 60. The permittee may elect to use COM measurements in lieu of Method 9, provided notification is made at least 30 days before the performance test.<br>• The opacity standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided.<br>• Opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR 60.8 in accordance with the requirements and exceptions in 40 CFR 60.11(e). |
| 60.12 | Circumvention | • No owner or operator shall build, erect, install or use any article or method, including dilution, to conceal an emission which would otherwise constitute a violation. |
| 60.14 | Modification | • A physical or operational change which results in an increase in the emission rate to the atmosphere or any pollutant to which a standard applies shall be considered a modification, and upon modification an existing facility shall become an affected facility in accordance with the requirements and exemptions in 40 CFR 60.14.<br>• Within 180 days of the completion of any physical or operational change, compliance with all applicable standards must be achieved. |
| 60.15 | Reconstruction | • An existing facility, upon reconstruction, becomes an affected facility, irrespective of any change in emission rate in accordance with the requirements of 40 CFR 60.15. |

## Incorporation by Reference

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

    - Standards of Performance of New Stationary Sources (NSPS), 40 CFR Part 60, Subpart IIII.

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

## CONCRETE BATCH PLANT

### Process Description

18. The facility is a portable Central Mix concrete batch plant consisting of aggregate stockpiles, a cement storage silo, a cement supplement (flyash) storage silo, a weigh batcher, and conveyors. The facility combines aggregate, flyash, and cement and transfers the mixture into either a central drum along with a measured amount of water for stationary mixing of the concrete. When using a Central Mix drum, concrete is transferred to trucks for transport off-site. Power will be supplied to the facility via line power primarily, or a 1207 bhp ICE engine.

19. **Emission Controls Description**

**Table 3 CONCRETE BATCH PLANT DESCRIPTION**

| Emissions Units / Processes | Emission Control Devices |
|---|---|
| Cement Storage Silo | Baghouse |
| Cement Supplement Storage Silo Flyash | Baghouse |
| Weigh Batcher | Baghouse |
| Central Loading | Baghouse |
| Material Transfer (Fugitives) | No visible emissions across property line |
| Propane Boiler or Diesel Boiler | None |
| Line Power | None |
| Diesel 192 hp Engine | None |
| Diesel 1207 hp Engine | None |

a. The baghouses are considered process equipment.

### Emission Limits

20. **Emissions Limits of LPG, or Diesel-fired Water Heaters**

The permittee shall not discharge PM to the atmosphere from any fuel-burning equipment source in excess of 0.050 or 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid or diesel as required in IDAPA 58.01.01.676 or 58.01.01.677 respectively.

### Operating Requirements

21. **Concrete Production Limits**

The concrete production rate shall not exceed the limits set forth in the following table in any one (1) day (cy/day) or consecutive 12-calendar month period (cy/yr). The maximum production limit shall be defined by the setback distance available at a given location.

The setback distance shall be defined as the minimum distance from any center of a silo baghouse stack, truck or central mix loading point, weigh batcher transfer point, or other emission point associated with this concrete batch plant to any area outside of a building where there is public access.

**Table 4 MAXIMUM PRODUCTION RATE/MINIMUM SETBACK DISTANCE**

| | |
|---|---|
| **Minimum Setback Distance (IC Engine)** | 419 ft |
| **Maximum Concrete Production cy/day** | 2,500 |
| **Maximum Annual Production cy/yr** | 150,000 |

**Table 5 MAXIMUM PRODUCTION RATE/MINIMUM SETBACK DISTANCE WHEN OPERATING ON LINE POWER ONLY**

| | |
|---|---|
| **Minimum Setback Distance (IC Engine)** | 319 ft |
| **Maximum Concrete Production cy/day** | 2,500 |
| **Maximum Annual Production cy/yr** | 150,000 |

22. **Hours of Operation**

The concrete batch plant and all other associated emissions units may only operate a maximum of 12 hours per day.

When operating on line power only, the concrete batch plant and all other associated emissions units may operate 24 hours per day.

23. **Fuel Usage Limit of Water Heater(s)**

The total annual fuel usage of the 4.2 MMBtu/hr water heater shall not exceed the following:

- LPG – 100,984 gallons per year
- Diesel – 66,000 gallons per year

24. **Installation of Baghouse Filter/Cartridge System**

The permittee shall install, operate and maintain, at all times, baghouses in accordance with the developed procedures document required in this permit to control PM, $PM_{2.5}$ and $PM_{10}$ emissions from the concrete batch plant.

25. **Installation of Water Spray Bar**

The permittee shall install, operate and maintain, at all times, industry specific water sprays (or equivalent) in accordance with the developed procedures document required in this permit to control PM, $PM_{2.5}$ and $PM_{10}$ emissions from the concrete batch plant.

26. **Control System Procedures**

Within 60 days of initial start-up, the permittee shall have developed a Control 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 Control 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 Control 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 Control 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 anytime. 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.
- Air to Cloth Ratio Certification

The Control System Procedures document shall also include a schedule and procedures for corrective action that will be taken if visible emissions are present from the material transfer points at anytime. At a minimum the document shall include:

- Procedures to determine if spray bar is functioning properly; and
- Procedures to determine if water spray bar is appropriate for the application and secured in place.

The Control System Procedures document shall also include, at a minimum, the following methodology used by the facility to handle fugitive dust emissions:

- Use, where practical, of water, or chemical dust suppressant, for control of dust generated as a result of material handling or processing;
- Application of water, or chemical dust suppressant, by hardpiped, conical deluge, or mist, application systems, or equivalent;
- Application and use, where practical and as specified in the application materials, of shrouding of material transfer points;
- Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Containment methods shall be employed during mixing or drop operations;

The permittee shall maintain records of the results of each control 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 Control 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 permittee or DEQ requested changes to the Control System Procedures document shall be submitted within 15 days of the change.

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, Idaho 83706

The Control 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 Control System Procedures document are incorporated by reference to this permit and are enforceable permit conditions.

## Monitoring and Recordkeeping Requirements

27. **Concrete Production Monitoring**

When operating, the permittee shall monitor and record the daily, monthly, and annual concrete production to demonstrate compliance with the concrete production permit condition. Annual production shall be determined by summing each monthly production total over the previous consecutive 12-month period.

28. **Setback Monitoring**

The permittee shall physically measure and record the minimum setback distance from the leased or owned property boundary line to the closest emissions stack:

- Each time the concrete batch plant is relocated, and

- 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.
- Date Time of measurement and documentation of measurement device was used to determine setback. (include documentation of accuracy of measuring device if applicable).

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, and the minimum setback distance in meters or feet to an accuracy of plus or minus 6 feet.

29. **Water Heater Fuel Monitoring**

The permittee shall monitor and record monthly the amount of fuel used in the water heater(s). This should be completed to demonstrate compliance with the water heater fuel usage limit(s). Annual usage shall be determined by calculating the summation of each month over the previous consecutive 12-month period.

30. **Hours of Operation Monitoring**

The permittee shall monitor and record the total number of hours the concrete batch plant operates each day to demonstrate compliance with the hours of operation permit condition.

## COMPRESSION IGNITED INTERNAL COMBUSTION ENGINES

### Process Description

31. **Process Description**

The facility uses two compression ignited internal combustion engines as power sources. A 1207 bhp IC engine is used for general operations when line power is not readily available. A 192 bhp IC engine is used as a second power source used in the process.

### Operating Requirements

32. **Installation of Certified 1,207 bhp Engine**

The permittee shall install and operate an EPA Tier 4 Certified engine.

33. **Installation of Certified 192 bhp Engine**

The permittee shall install and operate an EPA Tier 1 Certified engine.

34. **Operational Hours Limit of Diesel Fired 1,207and 192 bhp Engine(s)**

The operating hours of the 1,207 bhp diesel-fired engine shall not exceed 1400 hours per year. The operating hours of the 192 bhp diesel-fired engine shall not exceed 1400 hours per year.

### Monitoring and Recordkeeping Requirements

35. **Engine Operational Time Monitoring**

The permittee shall record monthly operations in hours of each internal combustion engine. Annual usage shall be determined by calculating the summation of the hours every month over the previous consecutive 12-month period.

## NSPS 40 CFR 60, SUBPART IIII REQUIREMENTS

### NSPS Compliance Requirements

36. **Engine Maintenance**

The permittee shall operate and maintain the diesel engine(s) 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. In addition, the permittee may only change those settings that are permitted by the manufacturer.

37. **Particulate Filter Backpressure Monitor**

The particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high back pressure limit of the engine is approached in accordance with 40 CFR 60.4209(b).

38. **Recordkeeping Requirements**

All records shall be maintained relating to the following information in accordance with 60.4214(a)(2):

- All notifications submitted to demonstrate compliance and all documentation supporting any notification.
- Maintenance performed on the engine.

## PERMIT TO CONSTRUCT GENERAL PROVISIONS

### General Compliance

39. 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.]**

40. 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]**

41. 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

42. 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 Notification

43. 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]**

44. The permittee shall furnish EPA 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;
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and

**[IDAPA 58.01.01.211.03, 5/1/94]**

## Performance Testing

45. 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.

46. 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.

47. 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

48. 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

49. 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

50. 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

51. 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

52. 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

53. 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

54. 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)]**