



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

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

October 1, 2007

Certified Mail No. 7102 0243 6844 0000 0533

Steven St. Pierre, President
STP Concrete Co., Inc.
P.O. Box 452
Emmett, Idaho 83617

RE: Facility ID No. 777-00422, STP Concrete Co., Inc., Spring Creek Concrete Batch Plant,
Portable
Final Permit Letter

Dear Mr. St. Pierre:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2007.0181 to STP Concrete Co., Inc. for a new portable concrete batch plant (the Spring Creek Concrete Batch Plant) to be initially located at 18400 Horseshoe Bend Road near Eagle, Idaho 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 August 30, 2007. This permit is effective immediately. This permit does not release STP Concrete Co., 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 Boise Regional Office, 1445 N. Orchard, Boise, Idaho 83709-2239, Fax (208) 373-0287.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Tom Krinke, Air Quality Compliance Officer at (208) 373-0550 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 for a contested case, I encourage you to contact Cheryl Robinson at (208) 373-0502 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 initial "M" and a long, sweeping underline.

Mike Simon
Stationary Source Program Manager
Air Quality Division

MSCR\hp

Project No. P-2007.0181

Enclosures

STP Concrete Co., Inc., Portable
October 1, 2007
Page 3 of 3

HARD COPY TO FACILITY

en: Tom Krinke, Boise Regional Office
Bill Rogers, Permit Coordinator
Cheryl Robinson, Permit Writer
Marilyn Seymore/ Pat Rayne, AQ Division
Stationary Source Administrative Assistant

en-web: Laurie Kral, U.S. EPA Region 10

ec: Steven St. Pierre, STPConcrete@aol.com

c: Reading File (Ltr Only)
Source File
Permit Binder
Bill Rogers, Permit Coordinator (Ltr Only)
Phyllis Heitman, AQ Division (Ltr Only)



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

PERMIT No.: P-2007.0181
FACILITY ID No.: 777-00422
AQCR: Portable **CLASS:** B
SIC: 3273 **ZONE:** Portable
UTM COORDINATE (km): Portable

1. PERMITTEE

STP Concrete Co., Inc.

2. PROJECT

Initial PTC, Spring Creek Concrete Batch Plant, 70 cy/hr portable concrete batch plant with 40 kW diesel generator

3. MAILING ADDRESS

P.O. Box 452

CITY

Emmett

STATE

ID

ZIP

83617

4. FACILITY CONTACT

Steven St. Pierre

TITLE

President

TELEPHONE

(208) 887-2025

5. RESPONSIBLE OFFICIAL

Steven St. Pierre

TITLE

President

TELEPHONE

--see above--

6. EXACT PLANT LOCATION

Initial Location: 18400 Horseshoe Bend Road, Eagle, ID 83714

COUNTY

Initial Location: Ada

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:	
DATE ISSUED:	October 1, 2007

Table of Contents

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE	3
1. PERMIT TO CONSTRUCT SCOPE.....	4
2. CONCRETE BATCH PLANT.....	5
3. DIESEL GENERATOR.....	11
4. PERMIT TO CONSTRUCT GENERAL PROVISIONS	14

Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
CFR	Code of Federal Regulations
CO	carbon monoxide
cy	cubic yards
DEQ	Department of Environmental Quality
HAPs	hazardous air pollutants
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
kW	kilowatt
lb/hr	pound per hour
m	meter(s)
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTC	permit to construct
SIC	Standard Industrial Classification
SO ₂	sulfur dioxide
SO _x	sulfur oxides
T/yr	tons per year
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 This Permit to Construct (PTC) is for a portable concrete batch plant.
- 1.2 This is the initial permit for this facility.

Regulated Sources

- 1.3 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	<u>Concrete Batch Plant – Truck Mix</u> Manufacturer: Stephens Model: DC Colt Portable #8563-07 Capacity: 70 cy/hr Max Production: 1,680 cy/day and 15,000 cy/year	<u>Cement Silo Baghouse/Cartridge Filter</u> (process equipment, with secondary function as a control device) Manufacturer: Stephens Model: SV 170 <u>Cement or Cement Supplement Storage Silo Baghouse/Cartridge Filter.</u> ^a <u>Weigh Batcher Baghouse/Cartridge Filter, Boot, Enclosure, or equivalent</u> <u>Truck Loadout Boot, Enclosure, or equivalent</u> <u>Material Transfer Point Water Sprays (manual sprays or spray bars), or equivalent.</u>
3	<u>Electrical Generator</u> Manufacturer: MQ Power Model: Whisperwatt D7A70SSJU Rating: 40 kW Fuel: Diesel Max Fuel Usage Rate: 1.0 gallon/hour Max Operations: 500 hr/year	None

^a The initial facility components did not include a cement supplement silo. The DEQ emissions inventory and generic modeling analysis, however, include emissions from this point source. The facility could add one or more cement or cement supplement silos with baghouses without modifying this permit.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee: STP Concrete Co., Inc.

Facility ID No. 777-00422

Location: Portable

2. CONCRETE BATCH PLANT

2.1 Process Description

The facility is a portable truck mix concrete batch plant consisting of aggregate storage bins or piles, a cement storage silo, weigh batcher, and conveyors. The facility may also include a cement supplement silo. 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.

2.2 Emissions Control Description

The particulate matter (PM) and particulate matter with an aerodynamic diameter less than or equal to ten microns (PM₁₀) emissions from the concrete batch plant are controlled by baghouses or other control devices as described in Table 2.1.

Table 2.1 CONCRETE BATCH PLANT DESCRIPTION

Emissions Unit(s)/Processes	Emissions Control Device	Emissions Point
Cement Storage Silo	Baghouse/Cartridge Filter (process equipment, with secondary function as a control device)	<u>Cement Silo Baghouse/Cartridge Filter Stack:</u> Height: 63 feet (~19.2 meters) Exit Diameter: Equivalent Dia: 3.38 feet Actual Dimensions: 3 ft x 3 ft Exit air flow rate: 900 to 1,000 acfm Control Efficiency: 99.6% (1 micron)
<i>Cement or Cement Supplement (Flyash) Storage Silo</i>	<i>Baghouse/Cartridge Filter (process equipment, with secondary function as a control device)</i>	<i><u>Storage Silo Baghouse/Cartridge Filter Stack:</u>^a Height: Minimum 10 meters (32.8 ft) Exit Diameter: --- Exit air flow rate: --- Control Efficiency: minimum 99%</i>
Weigh Batcher (Fugitives)	<u>Baghouse/Cartridge Filter</u> Manufacturer: Stephens Model: SV 20	<u>Weigh Batcher Baghouse/Cartridge Filter Stack:</u> Height: 15 feet (~4.6 meters) Exit Diameter: Equivalent Dia: 1.75 feet Actual Dimensions: 1 ft x 2.4 ft Exit air flow rate: ambient Control Efficiency: 99.6% (1 micron)
Materials Transfer: Truck Loading (Fugitives)	Boot, Enclosure, or equivalent	Truck Loadout Transfer Point Estimated Control Efficiency: 95%
Materials Transfer (Fugitives)	Manual water sprays or water spray bars, 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%

^a The initial facility components did not include a cement supplement silo. The DEQ emissions inventory and generic modeling analysis, however, include emissions from this point source. The facility could add one or more cement or cement supplement silos with baghouses (that meet the minimum criteria shown in this table) without modifying this permit.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

Emissions Limits

2.3 Opacity Limit

Emissions from any baghouse/cartridge filter stack, or any other stack, vent, or functionally equivalent opening associated with the portable 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 by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

2.4 Concrete Production Limits

2.4.1 The concrete production rate shall not exceed 15,000 cubic yards of concrete in any consecutive 12-calendar month period.

2.4.2 The daily concrete production rate shall not exceed the values shown in Table 2.2 below, 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)	150 meters (492 feet)
Daily Concrete Production Limit:	1,500 cy/day	2,400 cy/day	3,600 cy/day	4,800 cy/day

2.5 Operations and Maintenance Manual

2.5.1 Within 60 days of permit issuance, the permittee shall have developed an Operations and Maintenance (O&M) manual for the baghouses/cartridge filters, transfer point boots/enclosures, and for transfer point water sprays. The O&M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouses/cartridge filters. 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 inspecting and maintaining transfer point boots/enclosures and for operating manual or spray bar water sprays (or equivalent method) 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.

2.5.2 Once developed, a copy of the manual shall be submitted for review and comment to DEQ's Boise Regional Office at the following address:

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, Idaho 83709-2239

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

2.5.3 The permittee shall operate the baghouses/cartridge filters and the water sprays (or equivalent control method) in accordance with the O&M manual.

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 facility property boundary.

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 providing manual water spray capability or 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.

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.

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.

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.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

- 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 Concrete Production Monitoring

2.8.1 The permittee shall monitor and record the daily (when the facility is operated that day), monthly (when the facility is operated that month), 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.

2.8.2 For each day that a rock crusher is collocated with the Spring Creek plant, and either of the plants is operated that day, permittee shall monitor and record daily:

- The date,
- The time that the concrete batch plant begins and ends operation, and
- The time that the rock crusher begins and ends operation.

2.9 Setback Monitoring

The permittee shall physically measure and record the minimum setback distance:

- 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, and the minimum setback distance in meters or feet to an accuracy of plus or minus 1.8 meters (6 feet).

2.10 Visible Emissions/Opacity Monitoring

Each month that the facility is operated, the permittee shall conduct a facility-wide inspection of potential sources of visible emissions, including all baghouse/cartridge filter 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

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

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.

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.

PM₁₀ Nonattainment Areas

2.12 PM₁₀ Nonattainment Area Operations

Under this permit, the permittee shall not relocate and operate this concrete batch plant in any 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 PM₁₀ nonattainment area, the permittee shall submit a PTC application to modify this permit.

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, except as described in Permit Condition 2.13.3.
- 2.13.2 This concrete batch plant shall be considered to be collocated if the nearest distance between any emissions point associated with another emissions source, and any pile or piece of equipment associated with the Spring Creek Batch Plant is less than 200 meters (656 feet).
- 2.13.3 This concrete batch plant may be physically located closer than 200 meters (656 feet) to a portable rock crushing plant if:
- The rock crushing plant is under the direct control of the permittee, and
 - The rock crushing plant and this concrete batch plant are not operated on the same day.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

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

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

3. DIESEL GENERATOR

3.1 Process Description

The electrical generator is used to provide power to the concrete batch plant when line power is not available.

3.2 Emissions Control Description

There are no emission control devices on the electrical generator.

Table 3.1 DIESEL GENERATOR DESCRIPTION

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
<u>Electrical Generator</u> Manufacturer: MQ Power Model: Whisperwatt D7A70SSJU Rating: 40 kW Fuel: Diesel Max Fuel Usage Rate: 1.0 gallon/hour Max Operations: 10 hr/day and 500 hr/year	None	<u>Generator Stack:</u> Height: 6 feet, 3 inches (1.905 m) Exit Diameter: 2.75 inches (0.07 m) Exit air flow rate: 487 acfm Exit air temperature: 979 °F

Emissions Limits

3.3 Opacity Limit

Emissions from the diesel generator stack or from any stack, vent, or other functionally equivalent opening associated with the diesel generator 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 using the procedures contained in IDAPA 58.01.01.625.

3.4 40 CFR 60.4200 Emissions Limits For Compression Ignition Engines

Emissions from the generator must comply with emission standards for new nonroad compression ignition engines in 40 CFR 60.4201 and 60.4204.

Operating Requirements

3.5 Operating Hours

The generator shall not be operated shall not be operated for more than 500 hours in any consecutive 12-calendar month period.

3.6 40 CFR 60.4206 Operating Requirements

Owners and operators of stationary compression ignition engines subject to emissions standards of 40 CFR 60.4204 shall achieve the emissions standards according to the manufacturer's written instruction or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

3.7 40 CFR 60.4207 Fuel Requirements

3.7.1 Beginning October 1, 2007, owners and operators of stationary compression ignition engines subject to 40 CFR 60.4200 using diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a):

- Sulfur content – 500 ppm, and
- Cetane index of 40, or a maximum aromatic content of 35 volume percent.

3.7.2 Beginning October 1, 2010, owners and operators of stationary compression ignition engines subject to 40 CFR 60.4200 with cylinder displacements less than 30 liters using diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b):

- Sulfur content – 15 ppm, and
- Cetane index of 40, or a maximum aromatic content of 35 volume percent.

3.8 40 CFR 60.4208 Installation Requirements

3.8.1 After December 31, 2008, owners and operators may not install stationary compression ignition engines that do not meet the applicable requirements for 2007 model year engines.

3.8.2 In addition to the requirements specified in 40 CFR 60.4201 and 40 CFR 60.4204, the permittee is prohibited to import stationary compression ignition engines with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in 40 CFR 60.4208(a) through (f) after the dates specified in 40 CFR 60.4208(a) through(f).

3.9 40 CFR 60.4211 Compliance Requirements

3.9.1 In accordance with 40 CFR 60.4211(a) owners and operators must operate and maintain the stationary compression internal combustion engine and control device according to the manufacturer's written instruction or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. Owners and operators must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply.

3.9.2 In accordance with 40 CFR 60.4211(c) the owner and operator of a 2007 model year and later non-emergency stationary compression internal combustion engine subject to the emission standards of 40 CFR 60.4204(b) must comply by purchasing an engine certified to the emission standards of 40 CFR 60.4204(b), for the same model year and maximum engine power. The engine must be installed and configured to the manufacturer's specifications.

3.10 Compliance with 40 CFR 60.4200

Should there be a conflict between Permit Conditions 3.4, 3.6 through 3.10, and 3.12 and 40 CFR 60.4200, the Code of Federal Regulations shall govern.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

Monitoring and Recordkeeping Requirements

3.11 Concrete Production Monitoring

The permittee shall monitor and record the daily (when the generator is operated that day), monthly (when the generator is operated that month), and annual hours of operation of the diesel generator to demonstrate compliance with Permit Condition 3.5. Annual production shall be determined by summing each monthly production total over the previous consecutive 12-calendar month period.

3.12 40 CFR 60.4209 Monitoring Requirements

- Owners and operators of stationary compression ignition engines subject to 40 CFR 60.421 or 60.4204 must meet the monitoring requirements of 40 CFR 60.4209. In addition, owners and operators must also meet the monitoring requirements specified in 40 CFR 60.4211.
- Owners and operators of stationary compression ignition engines equipped with a diesel particulate filter to comply with emission standards of 40 CFR 60.4204, shall ensure that the diesel particulate filter is installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

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;

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

- b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;
- 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]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2007.0181

Permittee:	STP Concrete Co., Inc.	Facility ID No. 777-00422
Location:	Portable	

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.