



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502  
www.deq.idaho.gov

C.L. "Butch" Otter, Governor  
John H. Tippetts, Director

October 27, 2017

Terry McEntee, President  
Central Paving Co., Inc. - 00085  
5040 S. Apple St  
Boise, ID 83715

RE: Facility ID No. 777-00085, Central Paving Co., Inc. – 00085, Portable Facility, Final  
Permit to Construct No. P-2011.0017 for Applicant Review

Dear Mr. McEntee

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2011.0017 Project 61922 to Central Paving Co., Inc - 00085 for a PTC modification to increase the allowable sulfur content of fuel used in the drum dryer. This PTC is issued in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho) and is based on the certified information provided in your PTC application received July 21, 2017 and on all relevant comments received on DEQ's proposed permit during the public comment period.

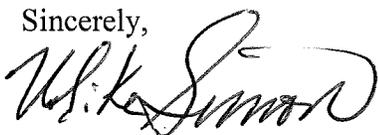
This permit is effective immediately and replaces PTC No. P-2011.0017, issued on February 27, 2012. This permit does not release Central Paving Co., Inc. – 00085 from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to the Construction and Operation Notification General Provision 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 St., 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, AQ Compliance Officer, at (208) 373-0419 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends that the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Will Tiedemann at (208) 373-0283 or [William.Tiedemann@deq.idaho.gov](mailto:William.Tiedemann@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 initial "M".

Mike Simon  
Stationary Source Program Manager  
Air Quality Division

MS\wt

Permit No. P-2011.0017 PROJ 61922

Enclosures

# Air Quality

## PERMIT TO CONSTRUCT

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**Permittee** Central Paving Co., Inc. - 00085  
**Permit Number** P-2011.0017  
**Project ID** 61922  
**Facility ID** 777-00085  
**Facility Location** Portable

### Permit Authority

This permit (a) is issued according to the "Rules for the Control of Air Pollution in Idaho" (Rules), IDAPA 58.01.01.200–228; (b) pertains only to emissions of air contaminants regulated by the State of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with the application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; and (g) in no manner implies or suggests that the Idaho Department of Environmental Quality (DEQ) or its officers, agents, or employees assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment, or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200–228.

**Date Issued** October 27, 2017



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**Will Tiedemann, Permit Writer**



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**Mike Simon, Stationary Source Manager**

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# 1 Permit Scope

## Purpose

- 1.1 This is the revised permit to construct (PTC) for a portable asphalt production facility.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by the permit issue date citation located directly under the permit condition and on the right-hand margin.
- 1.3 This PTC replaces Permit to Construct No. P-2011.0017, issued on February 27, 2012.

## Regulated Sources

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

**Table 1.1 Regulated Sources**

Permit Section	Source	Control Equipment
1	<u>Material Transfer Points:</u> Materials handling Asphalt aggregate transfers Truck unloading of aggregate Aggregate conveyor transfers Aggregate handling	<u>Reasonable Control Methods</u>
2	<u>Asphalt Drum Mixer:</u> Manufacturer: CMI Model: UDM 1200R <sup>a</sup> Type: Counter-flow Manufacture Date: 2012 Max. production: 350 T/hr, 3,600 T/day, and 350,000/yr Fuel(s): Natural gas, Distillate #2 fuel oil, and used oil (RFO)	<u>Asphalt Drum Mixer Baghouse:</u> Manufacturer: Aesco Madsen Model: HRB-680 or equivalent Type: N/A Flow rate: N/A dscf PM <sub>10</sub> control efficiency: N/A
	<u>Asphaltic Oil Tank Heater:</u> Electric Heater	None
3	<u>Primary IC Engine:</u> Manufacturer: John Deer Model: 405 TF275 or equivalent Manufacture Date: 2006 Max. power rating: 84 kW Fuel: distillate fuel oil ASTM Grades 1 and 2	None
	<u>Secondary IC Engine:</u> Manufacturer: Caterpillar Model: 3412 C-Dita or equivalent Manufacture Date: 2001 Max. power rating: 902 kW Fuel: distillate fuel oil ASTM Grades 1 and 2	None

- a) "or equivalent" sources have an equivalent or less maximum capacity (T/hr and yd<sup>3</sup>/hr) and fuel consumption (MMBtu/hr and gal/hr) than the source listed in this table; "or equivalent" sources and control methods shall not result in an emission increase or in the emission of any regulated air pollutant not previously emitted (using the definitions provided in IDAPA 58.01.01.006) when compared to the sources and control methods listed in this table.

## 2 Facility-Wide Conditions

### Fugitive Dust Control

#### 2.1 Reasonable Control of Fugitive Emissions

In accordance with IDAPA 58.01.01.650-651, all reasonable precautions shall be taken to prevent particulate matter from becoming airborne.

The permittee shall monitor and maintain records of the frequency and the method(s) used (e.g., water, chemical dust suppressants) to reasonably control fugitive dust emissions.

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

The permittee shall conduct a daily facility-wide inspection of potential sources of fugitive dust emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive dust emissions are effective. If fugitive dust 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 dust 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 dust emissions, and the date the corrective action was taken.

[10/27/2017]

#### 2.2 Fugitive Emissions Controls

In accordance with IDAPA 58.01.01.808.01 and 808.02, the asphalt plant shall employ efficient fugitive dust controls. The control shall be employed and maintained in such a manner as to satisfactorily control the emission of particulate material from any point other than a stack outlet. These controls include, but are not limited to the:

- Good operating practices, including water spraying or other suitable measures, shall be employed to prevent dust generation and atmospheric entrainment during operations such as aggregate stockpiling, scalping screen changing and general maintenance.
- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
- Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
- Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
- Covering, where practical, of open bodied trucks transporting materials likely to give rise to airborne dusts.
- Paving of roadways and their maintenance in a clean condition, where practical.

- Prompt removal of earth or other stored material from streets, where practical.

[10/27/2017]

## **Relocation Requirements**

### **2.3 Collocation Restrictions**

This asphalt plant may collocate with one rock crushing plant and shall not locate within 1,000 feet ( $\pm$  6 feet) of another rock crushing plant, any other asphalt plant, or a concrete batch plant.

[10/27/2017]

### **2.4 Relocation Requirements**

In accordance with IDAPA 58.01.01.500, at least 10 days prior to relocating any of the permitted equipment, the permittee shall submit a completed DEQ Portable Equipment Relocation Form (PERF) to the following address or fax number:

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

[10/27/2017]

### **2.5 Relocation Requirement**

The following condition excludes any engines located at the Joplin home site.

The Non-road engine(s) located and/or operating in conjunction with this asphalt production facility shall not remain at any one (1) location more than 12 consecutive months. Any engine that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the 12 consecutive month period

[10/27/2017]

## **Non-attainment Area Operations**

### **2.6 Non-attainment Area Operations**

The permittee shall not relocate and operate away from the Joplin site any source listed in Table 1.1 in a nonattainment area.

[10/27/2017]

## **Odors**

### **2.7 Odors**

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 in accordance with IDAPA 58.01.01.776.01.

[10/27/2017]

## **Monitoring and Recordkeeping Requirements**

### **2.8 Fugitive Dust Monitoring and Recordkeeping**

The permittee shall conduct a facility-wide inspection of potential sources of visible fugitive emissions during daylight hours and under normal operating conditions once each day that the asphalt plant operates, to demonstrate compliance with the Reasonable Control of Fugitive Emissions and the Fugitive Emissions Controls permit conditions. The inspection shall consist of a see/no see evaluation for each potential source of visible fugitive emissions. If any visible fugitive emissions are present from any source of fugitive emissions, the permittee shall take appropriate corrective action as expeditiously as practicable to mitigate the visible fugitive emissions.

The permittee shall maintain records of the results of each see/no see evaluation of visible fugitive emissions inspection. The records shall include, at a minimum, the date and results of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time visible fugitive emissions are present (if observed), any corrective action taken in response to the visible fugitive emissions, and the date corrective action was taken.

[10/27/2017]

### **2.9 Collocation Demonstration Recordkeeping**

To demonstrate compliance with the collocation requirements at each site the permitted equipment operates, the permittee shall measure and record the minimum distances, to an accuracy of plus or minus six feet, from the exhaust stacks of the asphalt drum mixer, and the IC engine(s) to the nearest asphalt plant, concrete batch plant, or rock crushing plant. This procedure shall be conducted each time the permitted portable equipment changes location. Measurements greater than 1,100 feet may be recorded as greater than 1,100 feet.

[10/27/2017]

### **2.10 Relocation Demonstration Recordkeeping**

To demonstrate compliance with the relocation requirement the permittee shall record the date and location each time the HMA plant is relocated to a different aggregate pit or storage area.

[10/27/2017]

### **2.11 Odor Complaints**

The permittee shall maintain records of all odor complaints received to demonstrate compliance with the Odors permit condition. The permittee shall take appropriate corrective action as expeditiously as practicable. 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.

[10/27/2017]

### **2.12 Recordkeeping**

All monitoring and recordkeeping documentation required by this permit shall be maintained in accordance with the Recordkeeping general provision.

[10/27/2017]

# 3 Asphalt Production Equipment

## Process Description

### 3.1 Process Description

Stockpile aggregate is transferred to feed bins. Aggregate may consist of up to 50% percent recycled asphalt pavement (RAP). Aggregate is dispensed from the bins onto feeder conveyors, which transfer the aggregate to the heated drum mixer. Aggregate travels through the rotating HMA drum mixer, and when dried, the aggregate is mixed with liquid asphalt cement. The resulting HMA is then conveyed to hot storage bins or silos until it can be loaded into trucks for transport off site. Other equipment may include a portable sand and gravel and crushed stone operation, which crushes rock and aggregate to reduce material in size to desired specifications. Electrical power will be supplied to the plant equipment from the local power grid while located at the Joplin site and from the local power grid or from portable generators when located away from the Joplin site.

[10/27/2017]

### 3.2 Control Device Descriptions

Table 3.1 Asphalt Production Equipment Description

Emissions Units / Processes	Control Devices	Emission Points
Asphalt drum mixer	Asphalt drum mixer baghouse	Asphalt drum mixer baghouse exhaust stack
Asphaltic oil tank heater	N/A	None (Electric Heater)

[10/27/2017]

## Emission Limits

### 3.3 Emission Limits

The emissions from the asphalt drum mixer baghouse shall not exceed any emissions rate limit in the following table.

Table 3.2 HMA Dryer Emission Limits<sup>a</sup>

Source Description	PM <sub>10</sub> <sup>b</sup>
	lb/hr <sup>c</sup>
Asphalt drum mixer	9.5

a) In absence of any other credible evidence, compliance is assured by complying with this permit's operating, monitoring, and record keeping requirements.

b) Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.81.

c) Pounds per hour, as determined by a test method prescribed by IDAPA 58.01.01.157 or DEQ-approved alternative.

[10/27/2017]

### 3.4 40 CFR 60, Subpart I – Standard for Particulate Matter

In accordance with 40 CFR 60.92, the emissions from the asphalt drum mixer baghouse stack shall not exceed:

- Particulate matter in excess of 0.04 gr/dscf (90 mg/dscm)

- 20% opacity

[10/27/2017]

### **3.5 Opacity Limit**

Visible emissions from the asphalt drum mixer baghouse stack, the load-out station stack(s), and the silo filling slat conveyor stack, or any other stack, vent, or functionally equivalent opening associated with the asphalt drum mixer baghouse, the load-out station, and the silo filling slat conveyor processes, 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.

[10/27/2017]

## **Operating Requirements**

### **3.6 Asphalt Production Limits**

Asphalt production from this facility shall not exceed the following limits:

- 3,600 tons per day
- 350,000 tons per consecutive 12-months

[10/27/2017]

### **3.7 Reduced Asphalt Production Limits**

Asphalt production from this facility shall not exceed the following limit on days when a collocated portable rock crusher is operated:

- 1,800 tons per day

[10/27/2017]

### **3.8 Allowable Raw Materials**

This facility shall process only aggregate, asphaltic oil, anti-stripping additives (e.g. Superbond<sup>®</sup>), and RAP as raw materials to make asphalt. RAP use shall not exceed 50%, by weight, of the asphalt produced.

[10/27/2017]

### **3.9 Asphalt Operation Setback Distance Requirements**

The permittee shall maintain the following minimum setback distances from the leased or owned property boundary to the asphalt drum mixer baghouse exhaust stack:

- 177 (± 6 feet) feet when operating at the Joplin site.
- 262 feet (± 6 feet) when operating at any other site statewide, other than the Joplin site.

[10/27/2017]

## Fuel Specifications

### 3.10 Asphalt Drum Mixer Fuel Specifications

The asphalt drum mixer shall only combust the following fuels:

- Natural gas
- Distillate fuel oil which meets ASTM Grades 1 or 2, or a mixture of ASTM Grades 1 and 2.
- Reprocessed fuel oils (RFO) meeting the specifications of permit condition 3.11 and 3.12.

[10/27/2017]

### 3.11 Fuel Sulfur Content

The permittee shall not use any fuel oil (including distillate and RFO) containing more than 0.5% sulfur by weight in the Asphalt Drum Dryer when operating at the Joplin Site location. For Statewide operations (other than the Joplin Site location), the permittee shall not use any fuel oil (including distillate and RFO) containing more than 0.1% sulfur by weight in the Asphalt Drum Dryer.

[10/27/2017]

### 3.12 40 CFR 279, Subpart B - Reprocessed Fuel Oil Specifications

In accordance with 40 CFR 279.11, used oil (as defined by ASTM D6488) shall be limited to RFO4, RFO5L, and RFO5H, and shall not exceed any of the allowable levels of the constituents or properties listed in the following table:

Table 3.2 40 CFR 279.11 - USED OIL SPECIFICATIONS<sup>1</sup>

Constituent/Property	Allowable Level
Arsenic	5 ppm
Cadmium	2 ppm
Chromium	10 ppm
Lead	100 ppm
Flash Point	A minimum of 100 °F
Total Halogens <sup>2</sup>	1000
PCBs <sup>3</sup>	< 2 ppm

1 The specification does not apply to mixtures of used oil and hazardous waste that continue to be regulated as hazardous waste (see 40 CFR 279.10(b)).

2 Used oil containing more than 1,000 parts per million (ppm) total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under § 279.10(b)(1). Such used oil is subject to subpart H of part 266 of this chapter rather than 40 CFR 279 when burned for energy recovery unless the presumption of mixing can be successfully rebutted (see § 279.11).

3 Applicable standards for the burning of used oil containing PCB are imposed by 40 CFR 761.20(e).

[10/27/2017]

## **Performance Testing Requirements**

### **3.13 PM<sub>10</sub> and Opacity Performance Testing**

Performance testing on the asphalt drum mixer baghouse stack shall be performed no less than once every five years following the date of each test.

The performance test shall measure the PM<sub>10</sub> emission rate in pounds per hour and the opacity to demonstrate compliance with the PM<sub>10</sub> Emissions Limit and Opacity Limit permit conditions.

The performance test shall be conducted under worst-case normal operating conditions and in accordance with IDAPA 58.01.01.157, and Performance Testing General Provision of this permit. The permittee is encouraged to submit a performance testing protocol for approval 30 days prior to conducting the performance tests.

[10/27/2017]

### **3.14 PM<sub>10</sub> and Opacity Performance Testing Methods and Procedures**

The permittee shall use EPA Methods 5 and 202, or EPA Methods 201A and 202, or such comparable and equivalent methods approved in accordance with Subsection 157.02.d, to determine compliance with the PM<sub>10</sub> Emissions Limit permit condition.

The permittee shall use EPA Method 9 to determine compliance with the Opacity Limit permit condition with the method of calculating opacity exceedances altered in accordance with IDAPA 58.01.01.625.04.

[10/27/2017]

### **3.15 Performance Test Monitoring and Recordkeeping**

The permittee shall monitor and record the following during each performance test:

- The asphalt production rate, in tons per hour, at least once every 15 minutes,
- The visible emissions observed,
- The RAP percentage usage,
- The fuel combusted in the asphalt drum mixer,
- The applicable emissions control device operating parameters at least once every 15 minutes.

[10/27/2017]

## **Monitoring and Recordkeeping Requirements**

### **3.16 Asphalt Production Recordkeeping**

For each day that the asphalt drum mixer is operated the Permittee shall maintain the following records:

- The amount of asphalt produced in tons per day to demonstrate compliance with the daily Asphalt Production Limits permit conditions.

Monthly asphalt production shall be determined by summing daily production over the previous calendar month. Consecutive 12-months of asphalt production shall be determined by summing the monthly production over the previous consecutive 12 month period to demonstrate compliance with the consecutive 12-months Asphalt Production Limits permit condition.

[10/27/2017]

### 3.17 RAP Weight Percentage Recordkeeping

For each day that the asphalt drum mixer is operated using RAP, the Permittee shall record the amount of RAP used and the total weight of asphalt produced, either on a daily or per batch basis, to demonstrate compliance with the Allowable Raw Materials permit condition.

The weight percentage of RAP used shall be calculated as follows:

Weight percentage of RAP =  $\text{RAP material used (either per daily or per batch, tons-RAP)} \div \text{total asphalt produced (either per day or per batch, tons-asphalt)} \times 100$

[10/27/2017]

### 3.18 Asphalt Operation Setback Distance Recordkeeping

The permittee shall measure and record the distance, to an accuracy of plus or minus six feet, between the leased or owned property boundary and the asphalt drum mixer baghouse exhaust stack each time the asphalt drum mixer baghouse is moved to demonstrate compliance with the Asphalt Operation Setback Distance Requirements permit condition. In addition, the permittee shall record whether the site has line power or is using the IC engines to generate power at the site.

[10/27/2017]

### 3.19 Baghouse/Filter System Procedures

The permittee shall have developed a Baghouse Filter System Procedures document for the inspection and operation of the baghouse filter system which controls particulate matter emissions from the asphalt drum mixer. The Baghouse Filter System Procedures document shall be a permittee-developed document independent of the manufacturer supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual.

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

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

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

The permittee shall maintain records of the results of each baghouse filter system inspection. The records shall include, but not be limited to, the following:

- Date and time of inspection,

- Equipment inspected (e.g. exterior housing of baghouse, fan motor, auger, inlet air ducting);
- Description of whether visible emissions were present, and if visible emissions were present a description of the corrective action that was taken.
- Date corrective action was taken.

The Baghouse Filter System Procedures document shall be submitted to DEQ and shall contain a certification by a responsible official. Any changes to the Baghouse Filter System Procedures document shall be submitted within 15 days of the change.

The Baghouse Filter System Procedures document shall remain on-site at all times and shall be made available to DEQ representatives upon request.

The operating, monitoring, and recordkeeping requirements specified in the Baghouse Filter System Procedures document are incorporated by reference into this permit and are enforceable permit conditions.

[10/27/2017]

### **3.20 Drum Dryer O&M**

The permittee shall develop an O&M manual for the drum dryer which describes good combustion practices that will be followed. The manual shall be a permittee developed document independent of the manufacturer supplied operating manual but may include summaries of procedures included in the manufacturer supplied operating manual. At a minimum the manual shall require weekly inspections of fuel valves, fuel piping and proper burner adjustment. The permittee shall monitor and keep records of the inspections in accordance with General Provision 5.10.

Any changes to the O&M Manual shall be submitted to DEQ for review and comment within 15 days of the change and shall contain a certification by a responsible official. The O&M manual shall be submitted to the DEQ address included in Permit Condition 3.23.

[10/27/2017]

### **3.21 Distillate Fuel Oil Specifications Recordkeeping**

On an as-received basis for each shipment of distillate fuel oil, the permittee shall maintain the following supplier verified and certified information:

- ASTM grade
- Percent sulfur content by weight

[10/27/2017]

### **3.22 Reprocessed Fuel Oil Monitoring Certification Recordkeeping**

On an as-received basis for each shipment of used oil, the permittee shall maintain the following supplier verified and certified information:

- The name and address of the used oil supplier.

- The measured concentration, expressed as ppmv, of Arsenic, Cadmium, Chromium, Lead, Sulfur, Total Halogens, and PCBs, or a certification statement from the used oil supplier that the shipment meets the used oil specifications in the Asphalt Drum Mixer Fuel Specifications permit condition.
- The flashpoint expressed as degrees Fahrenheit.
- The analytical method, or methods, used to determine the concentration of each constituent and the flash point.
- The date and location of each sample.
- The date of each certification analysis.

[10/27/2017]

### 3.23 Recordkeeping

All monitoring and recordkeeping documentation required by this permit shall be maintained in accordance with the Recordkeeping general provision.

[10/27/2017]

## Reporting Requirements

### 3.24 Performance Test Reporting

Performance test reports shall include records of the monitoring and recordkeeping required by the Performance Test Monitoring and Recordkeeping permit condition, and documentation that the performance test was conducted in accordance with the Initial 40 CFR 60, Subpart I – Standard for Particulate Matter Performance Test and the Periodic PM<sub>2.5</sub> Performance Testing permit conditions. Performance test reports shall be submitted by the permittee to the following address:

Air Quality Permit Compliance  
 Department of Environmental Quality  
 Boise Regional Office  
 1445 N. Orchard St.  
 Boise, Idaho 83706  
 Phone: (208) 373-0550  
 Fax: (208) 373-0287

[10/27/2017]

### 3.25 Incorporation of Federal Requirements by Reference

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

- Standards of Performance of New Stationary Sources (NSPS), 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Plants.



		<ul style="list-style-type: none"> <li>• Performance tests shall be conducted and data reduced in accordance with 40 CFR 60.8(b), (c), and (f).</li> </ul>
60.11(a), (d), (f), and (g)	Compliance with Standards and Maintenance Requirements	<ul style="list-style-type: none"> <li>• When performance tests are required, compliance with standards is determined by methods and procedures established by 40 CFR 60.8.</li> <li>• At all times, including periods of startup, shutdown, and malfunction, the owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.</li> <li>• For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.</li> </ul>
60.12	Circumvention	<ul style="list-style-type: none"> <li>• No permittee shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard.</li> </ul>
60.14	Modification	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Within 180 days of the completion of any physical or operational change, compliance with all applicable standards must be achieved.</li> </ul>
60.15	Reconstruction	<ul style="list-style-type: none"> <li>• 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.</li> </ul>

[10/27/2017]

## 4 Internal Combustion Engines

### Process Description

#### 4.1 Process Description

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

[10/27/2017]

#### 4.2 Control Device Descriptions

Table 4.1 Internal Combustion Engines Description

Emissions Units / Processes	Control Devices	Emission Points
Primary IC Engine	N/A	Primary IC engine exhaust stack
Secondary IC Engine	N/A	Secondary IC engine exhaust stack

[10/27/2017]

#### 4.3 Opacity Limit

Emissions from the Primary IC Engine and the Secondary IC Engine stacks, or any other stack, vent, or functionally equivalent opening associated with the Primary IC Engine and the Secondary IC Engine, 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.

[10/27/2017]

### Certification and Operating Requirements

#### 4.4 Combined Primary and Secondary IC Engine Operating Limits

The combined daily operation of the Primary and Secondary IC engines shall not exceed the following operational limit:

- 24 hours per calendar day

[10/27/2017]

#### 4.5 Secondary IC Engine Operating Limits

The daily operation of the Secondary IC engine shall not exceed the following operational limit:

- 16 hours per calendar day Fuel Specifications

[10/27/2017]

#### 4.6 IC Engine(s) Fuel Specifications

The IC engine(s) shall only combust distillate fuel oil which meets ASTM Grades 1 or 2, or a mixture of ASTM Grades 1 and 2.

In addition, the permittee shall not use any distillate fuel oil containing more than 0.02% sulfur by weight for the Primary or Secondary IC Engines when operating at any location away from the Joplin site.

[10/27/2017]

#### **4.7 Joplin Site Restriction**

While operating the HMA plant at the Joplin site, the facility shall not operate either the Primary or Secondary IC engines.

[10/27/2017]

#### **4.8 Non-road Engine Specifications**

The Primary and Secondary IC Engines shall meet the definition of Non-road Engine per 40 CFR 1068.30

[10/27/2017]

#### **4.9 Relocation Requirement**

The following condition excludes any engines located at the Joplin site (engines shall not be operated at the Joplin site as required by Permit Condition 4.7).

The Non-road engine(s) located and/or operating in conjunction with this asphalt production facility shall not remain at any one (1) location more than 12 consecutive months. Any engine that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the 12 consecutive month period.

[10/27/2017]

### **Monitoring and Recordkeeping Requirements**

#### **4.10 Primary IC Engine Operation Recordkeeping**

The permittee shall monitor and record Primary IC Engine operation in hours per day to demonstrate compliance with the Combined Primary and Secondary IC Engine Operating Limits permit condition.

[10/27/2017]

#### **4.11 Secondary IC Engine Operation Recordkeeping**

The permittee shall monitor and record Secondary IC Engine operation in hours per day to demonstrate compliance with the Secondary IC Engine Operating Limits permit condition.

[10/27/2017]

#### **4.12 Recordkeeping**

All monitoring and recordkeeping documentation required by this permit shall be maintained in accordance with the Recordkeeping general provision.

[10/27/2017]

## 5 General Provisions

### General Compliance

- 5.1 The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the “Rules for the Control of Air Pollution in Idaho.” The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit, the “Rules for the Control of Air Pollution in Idaho,” and the Environmental Protection and Health Act (Idaho Code §39-101, et seq.)  
[Idaho Code §39-101, et seq.]
- 5.2 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]
- 5.3 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

- 5.4 Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
- Enter upon the permittee’s premises where an emissions source is located, emissions-related activity is conducted, or where records are kept under conditions of this permit;
  - Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
  - Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.
- [Idaho Code §39-108]

### Construction and Operation Notification

- 5.5 This permit shall expire if construction has not begun within two years of its issue date, or if construction is suspended for one year.  
[IDAPA 58.01.01.211.02, 5/1/94]
- 5.6 The permittee shall furnish DEQ written notifications as follows:
- A notification of the date of initiation of construction, within five working days after occurrence; except in the case where pre-permit construction approval has been granted then notification shall be made within five working days after occurrence or within five working days after permit issuance whichever is later;
  - A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

- A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date; and
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.03, 5/1/94]

### **Performance Testing**

- 5.7 If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.
- 5.8 All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.
- 5.9 Within 60 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

### **Monitoring and Recordkeeping**

- 5.10 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Monitoring records shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

### **Excess Emissions**

- 5.11 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130–136 for excess emissions due to start-up, shut-down, scheduled maintenance, safety measures, upsets, and breakdowns.

[IDAPA 58.01.01.130–136, 4/5/00]

## **Certification**

- 5.12 All documents submitted to DEQ—including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification—shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123, 5/1/94]

## **False Statements**

- 5.13 No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

## **Tampering**

- 5.14 No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

## **Transferability**

- 5.15 This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

## **Severability**

- 5.16 The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

[IDAPA 58.01.01.211, 5/1/94]