



STATE OF IDAHO  
DIVISION OF  
ENVIRONMENTAL QUALITY

1445 North Orchard • Boise, Idaho 83706-2239 • (208) 373-0550

Dirk Kempthorne, Governor  
C. Stephen Allred, Administrator

May 22, 2000

**CERTIFIED MAIL #P 222 218 630**

Mr. Paul Glauser, VP Environmental Affairs  
Idaho Sand and Gravel  
P.O. Box 1310  
Nampa, Idaho 83653

RE: P-000004, Idaho Sand and Gravel, Portable  
(Portable Hot-Mix Asphalt Plant, Permit to Construct No. 777-00256)

Dear Mr. Glauser:

On January 31, 2000, the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ), received a Permit to Construct (PTC) application from Idaho Sand and Gravel for a portable hot-mix asphalt facility. On March 15, 2000, the application was determined complete. The facility is to be initially located at Nampa, Idaho. Based on review of the application and all applicable state and federal rules and regulations, DEQ finds that this project meets the provisions of IDAPA 16.01.01.200 (*Rules for the Control of Air Pollution in Idaho*). Enclosed is PTC No. 777-00256 for the portable hot-mix asphalt plant.

Enclosed is a copy of the Portable Equipment Registration and Relocation Form that is required to be completed and submitted to DEQ at least ten (10) days prior to relocation of any equipment covered by this permit. Also enclosed are copies of maps showing all nonattainment areas within the State of Idaho.

This permit does not release the Permittee from compliance with all other applicable federal, state, local, or tribal laws, regulations, and ordinances. With regard to collocation with another portable facility, conservative assumptions were used to derive the throughput limitations. If this throughput is too restrictive for a particular project, contact DEQ prior to collocation and request a detailed site-specific analysis.

Please pay particular attention to the reporting requirements contained in Paragraph E of the General Provisions section of the permit. This information is needed to properly track the progress of the permit. Please refer to the appropriate permit number when submitting reports required in the Reporting Requirements section of the permit.

You are strongly encouraged to request a meeting with DEQ to discuss the permit terms and requirements with which your facility must comply. Mr. Thomas Krinke of the Boise Regional Office will contact you regarding this meeting. DEQ strongly recommends that in addition to your facility's plant manager, your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions also attend the meeting.

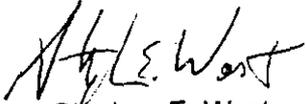
You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested

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Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street, Tenth Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision. However, DEQ encourages you to contact the Air Quality Permit Program to address any concerns you may have with the enclosed permit prior to filing a petition for a contested case.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Thomas Krinke, Boise Regional Office at (208) 373-0550.

Sincerely,

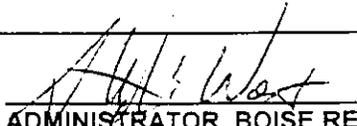


Stephen E. West  
Administrator  
Boise Regional Office

SEW:DH/hs:cm H:\TRANSFER\000004.PL

Enclosures

cc: State Technical Services Office  
Boise RO  
EPA Region 10

STATE OF IDAHO PERMIT TO CONSTRUCT AN AIR POLLUTION EMITTING SOURCE		PERMIT NUMBER								
		7	7	7	-	0	0	2	5	6
		AQCR	CLASS		SIC					
				A	2	2	9	5	1	
		ZONE	UTM COORDINATE (km)							
1. PERMITTEE										
Idaho Sand and Gravel										
2. PROJECT										
Portable Hot-Mix Asphalt Plant										
3. MAILING ADDRESS				CITY			STATE		ZIP CODE	
P.O. Box 1310				Nampa			Idaho		83653	
4. SITE LOCATION COUNTY			NO. OF FULL-TIME EMPLOYEES			PROPERTY AREA AT SITE (Acreage)				
Portable			10			Varies				
5. PERSON TO CONTACT				TITLE			TELEPHONE			
Paul Glauser				VP Environmental Affairs			(801) 409-2494			
6. EXACT PLANT LOCATION										
Portable										
7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS										
Hot-Mix Asphalt Production (Including Aggregate, Asphalt, and Concrete Production when Collocated)										
8. GENERAL CONDITIONS										
<p>This permit is issued according to the <i>Rules for the Control of Air Pollution in Idaho</i>, Section 16.01.01.200, and pertains only to emissions of air contaminants that are regulated by the State of Idaho and to the sources specifically allowed to be constructed by this permit.</p> <p>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 Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) or its officers, agents, or employees, assumes 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.</p> <p>This permit is not transferable to another person, place, piece or set of 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.</p> <p>This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require Department approval pursuant to the <i>Rules for the Control of Air Pollution in Idaho</i>, IDAPA 16.01.01.200, et.seq.</p>										
 ADMINISTRATOR, BOISE REGIONAL OFFICE DIVISION OF ENVIRONMENTAL QUALITY				DATE: May 22, 2000						

**PERMIT TO CONSTRUCT  
PERMITTEE, PROJECT, AND LOCATION**

Idaho Sand and Gravel  
Hot-Mix Asphalt Plant  
Portable

**PERMIT NUMBER**

7 7 7 - 0 0 2 5 6

**SOURCE**

Portable Hot-Mix Asphalt Plant

**A. STATEWIDE REQUIREMENTS**

The Permittee shall comply with the following sourcewide conditions when the hot-mix asphalt facility is operated anywhere (nonattainment, attainment, or unclassifiable areas) within the State of Idaho.

**A.1 EMISSION LIMITS**

**A.1.1 Asphalt Dryer Emission Limits**

Particulate matter (PM) emissions from the hot-mix asphalt dryer stack shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), nor shall PM or carbon monoxide (CO) emissions from the hot-mix asphalt dryer stack exceed any corresponding emission rate limit listed in Appendix A of this permit.

**A.1.2 Other Particulate Matter Emission Limits**

Gases from systems for screening, handling, storing, and weighing hot aggregate which emanate from a stack, vent, or other functionally equivalent opening; shall not contain PM emissions in excess of 0.04 grains per dry standard cubic foot (gr/dscf).

**A.1.3 Opacity Limit**

Emissions emanating from any stack, vent, or other functionally equivalent opening, shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required in IDAPA 16.01.01.625 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 16.01.01.625.

**A.1.4 Visible Emission Limits at Property Boundary**

Fugitive emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by Method 22, 40 CFR Part 60, Appendix A, or a DEQ-approved alternative method.

**A.2 OPERATING REQUIREMENTS**

**A.2.1 Dryer Burner Fuel Limits**

The burner fuel shall be either distilled fuel oil, waste oil, or natural gas only.

**A.2.2 Reasonable Control of Fugitive Emissions**

All reasonable precautions shall be taken to prevent particulate matter from becoming airborne as required in IDAPA 16.01.01.651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions which

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might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

A.2.2.1 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;

A.2.2.2 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;

A.2.2.3 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;

A.2.2.4 Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;

A.2.2.5 Paving of roadways and their maintenance in a clean condition, where practical; or

A.2.2.6 Prompt removal of earth or other stored material from streets, where practical.

**A.2.3 Monitoring Equipment**

The Permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer's specifications, equipment to continuously measure the pressure differential across the air pollution control equipment and the scrubbing media flowrate to the air pollution control equipment. A scrubbing media flowrate monitor is required only if a wet scrubber is used to control some or all of the emissions from the hot-mix asphalt plant.

**A.2.4 Operations and Maintenance Manual Requirements**

Within sixty (60) days after startup, the Permittee shall have developed an Operations and Maintenance (O&M) Manual for the air pollution control device which describes the procedures that will be followed to comply with General Provision B and the air pollution control device requirements contained in this permit. The manual shall remain on site at all times and shall be available to DEQ representatives upon request.

**A.2.5 Pressure Drop Across Air Pollution Control Device**

The pressure drop across the air pollution control device shall be maintained within the manufacturer's and O&M Manual's specifications. Documentation of both the manufacturer's and O&M Manual's operating pressure drop specifications shall remain on site at all times and shall be available to DEQ representatives upon request.

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**A.2.6 Fuel Sulfur Content**

The sulfur content in the Number 2 fuel oil (ASTM Grade 2) shall not exceed 0.5 percent by weight as required in IDAPA 16.01.01.728.

**A.2.7 Used Oil Specifications**

The concentrations/parameters of contaminants in any used oil fuel shall not exceed the following levels:

A.2.7.1 Arsenic	5 ppm by weight
A.2.7.2 Cadmium	2 ppm by weight
A.2.7.3 Chromium	10 ppm by weight
A.2.7.4 Lead	100 ppm by weight
A.2.7.5 Total halogens	1,000 ppm by weight
A.2.7.6 Sulfur	0.5 percent by weight

**A.3 MONITORING AND RECORDKEEPING REQUIREMENTS**

**A.3.1 Monitor Facility Throughput**

The Permittee shall monitor and record the hot-mix asphalt production in tons per day (T/day) on a daily basis. The Permittee shall also monitor and record the location (attainment, unclassifiable, nonattainment, or attainment-collocated) of the hot-mix asphalt facility on a daily basis. The most recent two (2) years' compilation of this information shall be kept on site, in a log, and shall be available to DEQ representatives upon request.

**A.3.2 Air Pollution Control Equipment**

The following parameters shall be monitored and recorded once on a daily basis. The most recent two (2) years' compilation of data shall be kept on site, in a log, and be available to DEQ representatives upon request:

A.3.2.1 Pressure drop across the air pollution control device.

**A.3.3 Reasonable Control Measures**

The Permittee shall monitor and record in a log, during operation, the periodic method(s) used to reasonably control emissions from this facility. The log shall include the type of control used (e.g., water, environmentally safe chemical dust suppressants, etc.), as well as the circumstances under which no controls are used. The most recent two (2) years' compilation of data shall be kept on site and shall be available to DEQ representatives upon request.

**A.3.4 Monitor Waste Oil Usage**

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The Permittee shall monitor and record, on a daily basis in tons per day (tons/day), the amount of asphalt produced with waste oil as the burner fuel. The most recent two (2) years' compilation of data shall be kept on site, in a log, and shall be made available to DEQ representatives upon request.

**A.3.5 Performance Test Documentation**

The Permittee shall maintain a copy of the performance test results and all test data for the most recently conducted stack test performed on this asphalt plant. This report shall be made available to DEQ representatives upon request.

**A.4. REPORTING REQUIREMENTS**

**A.4.1 Relocation**

All existing portable equipment shall be registered, and at least ten (10) days prior to relocation of any equipment covered by this permit, the Permittee shall report the following information to DEQ (on registration/relocation forms supplied by DEQ) in accordance with IDAPA 16.01.01.500:

A.4.1.1 Exact location of the new site of operations;

A.4.1.2 Startup date at the new site of operations and the duration of operations at the new site;

A.4.1.3 Equipment to be used at the new site;

A.4.1.4 A scaled plot plan clearly showing the property boundary of the new site; and

A.4.1.5 Other permitted portable sources the unit will be collocated with at the new site of operations (i.e., hot-mix asphalt plant, cement plant, or rock crusher).

**A.4.2 Certification of Documents**

All documents, including, but not limited to, application forms for Permits to Construct, monitoring data, supporting information, requests for confidential treatment, testing reports, and compliance certifications submitted to DEQ shall contain a certification by a responsible official in accordance with IDAPA 16.01.01.123. 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.

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**B. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN NOT COLLOCATED**

The Permittee shall comply with the conditions in Section A of this permit and the following permit conditions when the hot-mix asphalt facility is operated in any attainment or unclassifiable areas, and when it is not collocated, within the State of Idaho.

**B.1 OPERATING REQUIREMENTS**

**B.1.1 Facility Throughput Limits**

The production rate of the hot-mix asphalt facility shall not exceed a maximum of one million, three hundred twenty thousand tons per any consecutive 12-month period (1,320,000 T/yr) when located in any attainment or unclassifiable area. Of this total annual amount, no more than six hundred fourteen thousand, three hundred seventy-eight tons per any consecutive 12-month period (614,378 T/yr) shall consist of waste oil as the burner fuel for the hot-mix asphalt plant.

**B.1.2 Collocation Requirements**

When the hot-mix asphalt facility is to be collocated with another portable hot-mix asphalt plant, rock crushing plant, or concrete batch plant, the collocation requirements of Section C of this permit must be complied with.

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**C. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN COLLOCATED**

The Permittee shall comply with the conditions in Section A of this permit and the following permit conditions when the hot-mix asphalt facility is to be collocated with another portable hot-mix asphalt plant, rock crushing plant, or concrete batch plant within the State of Idaho. The hot-mix asphalt facility may only collocate with either one (1) portable rock crushing plant, one (1) portable concrete batch plant, or one (1) other portable hot-mix asphalt plant which has been permitted to specifically allow collocation.

**C.1 OPERATING REQUIREMENTS**

**C.1.1 Collocation Areas**

The hot-mix asphalt facility may collocate in attainment or unclassifiable areas only. The Permittee shall not collocate in a nonattainment area, or proposed nonattainment area, without obtaining a permit which specifically allows for collocation in a nonattainment area.

**C.1.2 Number of Portable Sources**

The hot-mix asphalt facility may only collocate with either one (1) portable rock crushing plant, one (1) portable concrete batch plant, or one (1) other portable hot-mix asphalt plant which has been permitted to specifically allow collocation.

**C.1.3 Facility Throughput Limits**

The production rate of the hot-mix asphalt facility shall not exceed a maximum of six hundred sixty thousand tons per any consecutive 12-month period (660,000 T/yr) when collocated with another hot-mix asphalt plant, concrete batch plant, or rock crushing plant. Of this total annual amount, no more than three hundred seven thousand, one hundred eighty-nine tons per any consecutive 12-month period (307,189 T/yr) shall consist of waste oil as the burner fuel for the hot-mix asphalt plant.

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**D. NONATTAINMENT AREA REQUIREMENTS**

The Permittee shall comply with the conditions in Section A of this permit and the following permit conditions when the hot-mix asphalt facility is operated in any PM-10 nonattainment areas within the State of Idaho. While operating the hot-mix asphalt facility under the conditions set forth in Section D, the hot-mix asphalt facility may not collocate with any other facility.

**D.1 OPERATING REQUIREMENTS**

**D.1.1 Facility Throughput Limits**

The production rate of the hot-mix asphalt facility shall not exceed a maximum of five thousand, six hundred ninety-six tons per day (5,696 T/day). In addition, the production rate of the hot-mix asphalt facility shall not exceed a maximum of one million, three hundred twenty thousand tons per any consecutive 12-month period (1,320,000 T/yr) when located in any PM-10 nonattainment area or proposed PM-10 nonattainment area. Of this total annual amount, no more than six hundred fourteen thousand, three hundred seventy-eight tons per any consecutive 12-month period (614,378 T/yr) shall consist of waste oil as the burner fuel for the hot-mix asphalt plant.

**D.1.2 Collocation Requirements**

The hot-mix asphalt facility shall not be collocated with another portable hot-mix asphalt plant, rock crushing plant, or concrete batch plant when located in any PM-10 nonattainment area or proposed PM-10 nonattainment area.

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**APPENDIX A**

Portable Hot-Mix Asphalt Facility

Hourly and Annual Emission Limits (lb/hr)<sup>a</sup>, and (T/yr)

Source Description	PM-10 (lb/hr)	CO (T/yr)
Dryer Stack Outlet	7.8 lb/hr	99 T/yr

- a. As determined by a pollutant-specific U.S. EPA reference method, DEQ-approved alternative, or as determined by the DEQ's emission estimation methods used in the permit application analysis.

**DATE: May 22, 2000**

**PERMIT TO CONSTRUCT GENERAL PROVISIONS**

- A. 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 emission 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.
- B. 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.
- C. The Permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
1. To enter at reasonable times upon the premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
  2. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack emission testing in conformance with IDAPA 16.01.01.157 when deemed appropriate by the Director.
- D. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- E. The Permittee shall notify DEQ, in writing, of the required information for the following events within five (5) working days after occurrence:
1. Initiation of Construction - Date
  2. Completion/Cessation of Construction - Date
  3. Actual Production Startup - Date
  4. Initial Date of Achieving Maximum Production Rate - Production Rate and Date
- F. If emission testing is specified, the Permittee must schedule such testing within sixty (60) days after achieving the maximum production rate, but not later than one hundred and eighty (180) days after initial startup. Such testing must **strictly** adhere to the procedures outlined in IDAPA 16.01.01.157, and shall not be conducted on weekends or state holidays without prior written DEQ approval. Testing procedures and specific time limitations may be modified by DEQ by prior negotiation if conditions warrant adjustment. DEQ shall be notified at least fifteen (15) days prior to the scheduled compliance test. Any records or data generated as a result of such compliance test shall be made available to DEQ upon request.

The maximum allowable operating rate shall be limited to 120% of the average operating rate attained during any performance test period, for which a test protocol has been granted prior approval by DEQ, unless (1) the test demonstrates noncompliance, (2) a more restrictive operating limit is specified elsewhere in this permit, or (3) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- G. 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.

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