



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

May 28, 2002

CERTIFIED MAIL # 7000 1530 0005 5348 6285

Mr. Chris Faulhaber
Granite Construction Co.
Utah Operations
1000 N. Warm Springs Road
P.O. Box 30429
Salt Lake City, UT 84130

RE: AIRS Facility No. 777-00297, Granite Construction Co.
(Portable Hot-mix Asphalt Plant, Permit to Construct Modification)

Dear Mr. Faulhaber:

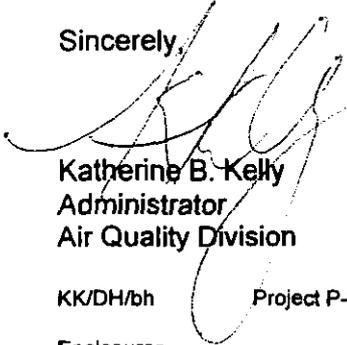
The Idaho Department of Environmental Quality (Department) is issuing modified Permit to Construct (PTC) No. 777-00297 for a portable hot-mix asphalt plant in accordance with IDAPA 58.01.01.200 - 223, *Rules for the Control of Air Pollution in Idaho*. The enclosed PTC is effective immediately and is based on your permit application received February 11, 2002.

This permit does not release Granite Construction Co. from compliance with all other applicable federal, state, or local laws, regulations, permits, and ordinances.

Tiffany Floyd of the Pocatello Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. In addition to your facility's plant manager, the Department recommends that the following representatives of your firm also attend this meeting: your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, have the right to appeal this final agency action pursuant to IDAPA 58.01.23, *Rules of Administrative Procedure Before the Board of Environmental Quality*. A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255 within 35 days of the date of this decision. However, prior to filing a petition for a contested case, the Department encourages you to contact Dan Salgado at (208) 373-0431 to address any concerns you may have with the enclosed permit.

Sincerely,



Katherine B. Kelly
Administrator
Air Quality Division

KK/DH/bh Project P-020304 G:\Air Permits\PT C\Granite Construction\PT-020304 Letter.doc

Enclosures

cc: Sherry Davis, Technical Services Division
Tiffany Floyd, Pocatello Regional Office

Joan Lechtenberg, Air Quality Division
Laurie Kral, EPA - Region 10



**Air Quality
PERMIT TO CONSTRUCT**

State of Idaho
Department of Environmental Quality

PERMIT NO.: 777-00297

AQCR: CLASS: SM

SIC: 3273 2951 **ZONE:**

UTM COORDINATE (km):

1. PERMITTEE

Granite Construction Co.

2. PROJECT

Portable hot-mix asphalt facility

3. MAILING ADDRESS

P.O. Box 30429

CITY

Salt Lake City

STATE

UT

ZIP

84130

4. FACILITY CONTACT

Chris Faulhaber

TITLE

Project Engineer

TELEPHONE

(801) 526-6047

5. RESPONSIBLE OFFICIAL

Chris Faulhaber

TITLE

Project Engineer

TELEPHONE

(801) 526-6047

6. EXACT PLANT LOCATION

Portable

COUNTY

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Hot-mix asphalt

8. GENERAL CONDITIONS

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

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 Environmental Quality 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.

This permit is not transferable to another person, place, or 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.

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 *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200, et seq.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED

May 28, 2002

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 777-00297

Permittee: Granite Construction, Co.
Location: Portable Hot-mix Asphalt Facility

Date Issued: May 28, 2002

1. STATEWIDE REQUIREMENTS

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

1.1 EMISSIONS LIMITS

1.1.1 Asphalt Dryer Emissions Limits

Particulate matter (PM) emissions from the HMA dryer stack shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf), nor shall PM emissions from the HMA dryer stack exceed the emissions rate limit listed in the appendix of this permit.

[IDAPA58.01.01.211, 40 CFR 60.92]

1.1.2 Other Particulate Matter Emissions Limits

Gases, which emanate from a stack, vent, or other functionary equivalent opening on systems used for screening, handling, storing, and weighing hot aggregate, shall not contain PM emissions in excess of 0.04 gr/dscf.

[IDAPA58.01.01.211, 40 CFR 60.92]

1.1.3 Opacity Limit

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

[IDAPA58.01.01.211, 40 CFR 60.92]

1.1.4 Visible Emissions Limits at Property Boundary

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

[IDAPA58.01.01.211]

1.2 OPERATING REQUIREMENTS

1.2.1 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be taken to prevent particulate matter from becoming airborne as required in IDAPA 58.01.01.651. 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 that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

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- 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.

[IDAPA 58.01.01.651]

1.2.2 Dryer Burner Fuel Limits

The burner fuel shall be distillate or waste oil only.

[IDAPA 58.01.01.211]

1.2.3 Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer 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 HMA plant.

[IDAPA 58.01.01.211.01]

1.2.4 Operations and Maintenance Manual Requirements

Within 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 2 and the air pollution control device requirements contained in this permit. The manual shall remain onsite at all times and shall be available to Department representatives upon request.

[IDAPA 58.01.01.211.01]

1.2.5 Pressure Drop Across Air Pollution Control Device

The pressure drop across the air pollution control device shall be maintained within manufacturer and O&M manual specifications. Documentation of both the manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be available to Department representatives upon request.

[IDAPA 58.01.01.211.01]

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1.2.6 Used Oil Specifications

The concentrations/parameters of contaminants in any used oil fuel shall not exceed the following levels, as defined in 40 CFR 279.11:

- Arsenic 5 parts per million (ppm) by weight
- Cadmium 2 ppm by weight
- Chromium 10 ppm by weight
- Lead 100 ppm by weight
- Total halogens 1,000 ppm by weight

[IDAPA 58.01.01.211, 40 CFR 279.11]

1.2.7 Used Oil Sulfur Content

The sulfur content of the fuel oil shall not exceed 0.95% by weight.

[IDAPA 58.01.01.203]

1.2.8 Duration of Operation in One Location

This facility shall not operate for more than five consecutive years in any one location.

[IDAPA 58.01.01.210.15]

1.3 MONITORING AND RECORDKEEPING REQUIREMENTS

1.3.1 Operating Parameters

A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request. The following parameters shall be monitored and recorded:

- Pressure drop across the air pollution control device once on a daily basis.
- Hot-mix asphalt production in tons per day (T/day) and tons per month (T/mo).

[IDAPA 58.01.01.211.01]

1.3.2 Reasonable Control Measures

The permittee shall monitor and record the periodic method(s) used to reasonably control emissions from this facility during operation. The record 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. A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211.01]

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1.3.3 Monitor Generator Hours of Operation

The permittee shall monitor and record the generator's hours of operation on a monthly basis. A compilation of the most recent two years of records shall be kept onsite and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211.01]

1.3.4 40 CFR 60.93 Initial Performance Testing Requirements

The permittee shall conduct a performance test on the HMA facility in accordance with 40 CFR 60.93, IDAPA 58.01.01.157, and General Provision 6 of this permit. The performance test shall be conducted to demonstrate compliance with the applicable particulate matter standards defined in 40 CFR 60.92.

If the HMA facility has previously conducted a performance test in accordance with 40 CFR 60.93 that demonstrates compliance with the applicable standards, then an additional performance test is not required by this permit condition. The permittee shall maintain a copy of the performance test results for the most recent stack test conducted on this asphalt facility. This report shall be made available to Department representatives upon request.

[IDAPA 58.01.01.211.01, 40 CFR 60.93]

1.3.5 Opacity and Visible Emissions Testing

The permittee shall conduct a visual determination of opacity for the HMA facility stack and a visual determination of emissions at the property boundary in accordance with IDAPA 58.01.01.157 and General Provision 6 this permit.

[IDAPA 58.01.01.211]

1.3.6 Used Oil Monitoring and Recordkeeping

In accordance with 40 CFR 279.72, specifications for used oil fuel, the permittee shall perform the following:

1.3.6.1 Analysis of Used Oil Fuel

The permittee shall determine that used oil to be burned for energy recovery meets the fuel specifications of 40 CFR 279.11 by performing analyses, or obtaining copies of analyses or other information documenting that the used oil fuel meets the specifications.

1.3.6.2 Record Retention

To demonstrate meeting the specifications for used oil fuel under 40 CFR 279.11, the permittee shall keep copies of analyses of the used oil (or other information used to make the determination) for three years.

1.3.6.3 Tracking of On-specification Used Oil Delivery

The permittee shall assure compliance with 40 CFR 279.74(b), which states, that a generator, transporter, processor/refiner, or burner who first claims that used oil to be burned for energy recovery meets the fuel specifications under 40 CFR 279.11 must keep a record of each shipment of used oil to an on-specification used oil burner. Records for each shipment must include the following information:

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- The name and address of the facility receiving the shipment.
- The quantity of used oil fuel delivered.
- The date of shipment or delivery.
- A cross-reference to the record of used oil analysis or other information used to make the determination that the oil meets the specification in accordance with 40 CFR 279.74.
- *Record retention.* The records described in Permit Condition 1.3.6.3 must be maintained for at least three years, in accordance with 40 CFR 279.74.

[IDAPA 58.01.01.211.01, 40 CFR 279]

1.3.7 Used Oil Sulfur Content Verification

The permittee must verify the sulfur content of each shipment of used oil by performing the analyses or obtaining copies of analyses or other documentation proving the used oil meets the sulfur content specified in Permit Condition 1.2.7. The permittee must keep copies of the used oil analyses (or other documentation used to make the determination) for three years, and shall make them available to Department representatives upon request.

[IDAPA 58.01.01.211]

1.4. REPORTING REQUIREMENTS

1.4.1 Performance Test Protocol

Prior to conducting any emissions test, the permittee is encouraged to submit in writing to the Department, at least 30 days in advance, a performance test protocol in accordance with IDAPA 58.01.01.157.01.a.

[IDAPA 58.01.01.157]

1.4.2 Performance Test Report

In accordance with IDAPA 58.01.01.157.04, the permittee shall submit a written report of the performance test results to the Department within 30 days of completion of the test.

[IDAPA 58.01.01.157]

1.4.3 Relocation

All existing portable equipment shall be registered. At least ten 10 days prior to relocation of any equipment covered by this permit, the permittee shall submit a scaled plot plan and in accordance with IDAPA 58.01.01.500, a complete Portable Equipment Registration and Relocation Form (available on the Department website at: www2.state.id.us/deq/air/equip_relocat.htm) to:

PERF Processing Unit
Idaho DEQ - Air Quality
1410 N. Hilton
Boise, ID 83706-1255

[IDAPA 58.01.01.500]

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1.4.4 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 the Department shall contain a certification by a responsible official in accordance with IDAPA 58.01.01.123. 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.

[IDAPA 58.01.01.123]

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2. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN NOT COLLOCATED

The permittee shall comply with Permit Conditions 1.1 through 1.4.4 and the following permit conditions when the HMA facility is operated in any attainment or unclassified areas when not collocated in the state of Idaho.

2.1 OPERATING REQUIREMENTS

2.1.1 Facility Throughput Limits

The production rate of the HMA facility shall not exceed a maximum of 1,431,979 tons per any consecutive 12-month period when located in any attainment or unclassifiable area.

2.1.2 Collocation Requirements

When the HMA facility is to be collocated with another portable HMA plant, rock-crushing plant, or concrete batch plant, the collocation requirements of Permit Condition 3 must be met.

2.1.3 Generator Hours of Operation

The generator(s) shall not be operated more than 3,580 hours per any consecutive 12-month period when located in any attainment or unclassifiable area.

[IDAPA 58.01.01.203]

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3. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN COLLOCATED

The permittee shall comply with the conditions under *Permit Conditions 1.1 through 1.4.4* and the following permit conditions when the HMA facility is to be collocated with another portable HMA plant, rock-crushing plant, or concrete batch plant within the state of Idaho. The HMA facility may only collocate with either one portable rock-crushing plant, one portable concrete batch plant, or one other portable HMA plant that has been permitted to specifically allow collocation.

3.1 OPERATING REQUIREMENTS

3.1.1 Collocation Areas

The HMA 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.

3.1.2 Number of Portable Sources

The HMA facility may only collocate with either one portable rock-crushing plant, one portable concrete batch plant, or one other portable HMA plant that has been permitted to specifically allow collocation.

3.1.3 Facility Throughput Limits

The production rate of the HMA facility shall not exceed a maximum of 715,989 tons per any consecutive 12-month period when collocated with another HMA plant, concrete batch plant, or rock-crushing plant.

3.1.4 Generator Hours of Operation

The generator(s) shall not be operated more than 1,790 hours per consecutive 12-month period when collocated with another HMA plant, concrete batch plant, or rock-crushing plant.

[IDAPA 58.01.01.203]

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4. NONATTAINMENT AREA REQUIREMENTS

The permittee shall comply with the conditions under Permit Conditions 1.1 through 1.4.4 and the following permit conditions when the HMA facility is operated in any PM₁₀ nonattainment areas within the state of Idaho. While operating the HMA facility under the conditions set forth in Permit Condition 4, the HMA facility may not collocate with any other facility.

4.1 OPERATING REQUIREMENTS

4.1.1 Facility Throughput Limits

The production rate of the HMA facility shall not exceed a maximum of 3,512 tons per day, nor shall it exceed a maximum of 1,281,759 tons per any consecutive 12-month period when located in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

4.1.2 Collocation Requirements

The HMA facility shall not be collocated with another portable HMA plant, rock-crushing plant, or concrete batch plant when located in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

4.1.3 Generator Hours of Operation

The generator(s) shall not be operated more than 3,204 hours per any consecutive 12-month period (3,204 hr/yr), nor shall it run more than 8.8 hours per day when located in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

[IDAPA 58.01.01.203]

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5. APPENDIX

**Portable Hot-mix Asphalt Facility
Hourly PM₁₀ Emissions Limits (lb/hr)^a**

Source Description	PM₁₀ (lb/hr)
Dryer Stack Outlet	15.3

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

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6. PERMIT TO CONSTRUCT GENERAL PROVISIONS

1. 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.
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.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
 - 3.1 To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
 - 3.2 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 emissions testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. 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.
5. The permittee shall notify the Department, in writing, of the required information for the following events within five working days after occurrence:
 - Initiation of Construction - Date
 - Completion/Cessation of Construction - Date
 - Actual Production Startup - Date
 - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. If emissions testing is specified, the permittee must schedule such testing within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup. Such testing must **strictly** adhere to the procedures outlined in IDAPA 58.01.01.157 and shall not be conducted on weekends or state holidays without prior written approval from the Department. Testing procedures and specific time limitations may be modified by the Department by prior negotiation if conditions warrant adjustment. The Department shall be notified at least 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 the Department 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 the Department, 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 emissions limit(s) set forth in this permit.
7. 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.