



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

July 16, 1996

CERTIFIED MAIL # P 875 704 826

Mr. Thomas L. Carter, Plant Engineer
Granite Construction Company
P.O. Box 2087
Sparks, Nevada 89432

Re: P-960085 Granite Construction Company, Portable
(Portable Hot-Mix Asphalt Plant)

Dear Mr. Carter:

On June 3, 1996, DEQ received a Permit to Construct application to construct a portable hot-mix asphalt plant to be operated within the state of Idaho. Based on review of all application materials, state and federal rules and regulations, DEQ has determined this project meets the provisions of IDAPA 16.01.01.200 (Rules for the Control of Air Pollution in Idaho). Enclosed is Permit to Construct No. 777-00191.

This permit does not release the permittee from compliance with all other applicable federal, state, local, or tribal laws, regulations, or ordinances including applicable requirements due to co-location of these facilities.

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 track the progress of the permit properly. Please refer to the appropriate permit number when submitting reports required in the Reporting Requirements section of the permit.

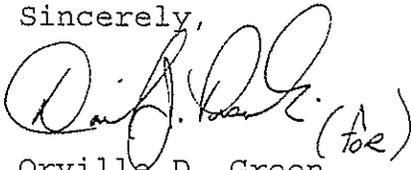
You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street, Tenth

Mr. Carter
July 16, 1996
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Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

If you have questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Construction Permits Bureau, at (208) 373-0502.

Sincerely,

A handwritten signature in black ink, appearing to read "Orville D. Green", with a circled "102" written below it.

Orville D. Green
Assistant Administrator
Permits and Enforcement

ODG\BR\bm\granite\granite.pl

Enclosure

cc: Robert Wilkosz, TSB
Pat Rayne, AFS
NIRO
NCIRO
SWIRO
SCIRO
SEIRO
EIRO
Permit File #77-00191
File Manual
COF

STATE OF IDAHO PERMIT TO CONSTRUCT AN AIR POLLUTION EMITTING SOURCE	PERMIT NUMBER			
	7 7 7	-	0 0 1 9 1	
	AQCR	CLASS	SIC	
		A 2	2 9 5 1	
ZONE	UTM COORDINATE (km)			

1. PERMITTEE Granite Construction Company			
2. PROJECT Hot-Mix Asphalt Plant, Gencor 400			
3. MAILING ADDRESS 1900 Glendale, P.O. Box 2087		CITY Sparks	STATE Nevada
		ZIP CODE 89432	
4. SITE LOCATION COUNTY Portable	NO. OF FULL TIME EMPLOYEES	PROPERTY AREA AT SITE (Acreage) Varies	
5. PERSON TO CONTACT Steve Shoup	TITLE Project Superintendent	TELEPHONE (702) 358-8792	
6. EXACT PLANT LOCATION Portable			
7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Hot-Mix Asphalt Production			

8. GENERAL CONDITIONS

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.200, and pertains only to emissions of air contaminants which 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 Department of Health and Welfare, 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, 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 THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS MUST BE APPROVED IN ADVANCE BY THE DEPARTMENT UNLESS EXEMPTED BY THE RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO SECTIONS 220 THROUGH 225.

(Signature)
 (A. D. Green)

ASSISTANT ADMINISTRATOR
 DIVISION OF ENVIRONMENTAL QUALITY

DATE: July 16, 1996

PERMIT TO CONSTRUCT

P E R M I T N U M B E R

PERMITTEE, PROJECT, AND LOCATION

Granite Construction Company
 1900 Glendale, Post Office Box 2087
 Sparks, Nevada 89432

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SOURCE

Hot-Mix Asphalt Plant, Gencor 400

1. EMISSION LIMITS

1.1 Asphalt Dryer Emission Limit

Particulate Matter (PM) emissions (IDAPA 16.01.01.006.68) (Rules for the Control of Air Pollution In Idaho) emanating from the asphalt drum dryer exhaust stack shall not exceed 0.04 grains per dry standard cubic foot (gr/dscf) as required in 40 CFR 60.92(a)(1).

1.1.1 When Combusting Liquid Propane Gas (LPG) or #6 Fuel Oil

PM and PM-10 emissions (IDAPA 16.01.01.006.72) shall not exceed any corresponding emission rate limit listed in Appendix A of this permit.

1.1.2 When Combusting #6 Fuel Oil

Sulfur dioxide (SO₂) emissions shall not exceed one hundred forty pounds per hour (140 lb/hr) or ninety nine tons per year (99 T/yr).

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 particulate matter in excess of 0.04 grains per dry standard cubic foot (gr/dscf), in accordance with 40 CFR 60.92(a)(1).

1.3 Stack and Vent Emissions Opacity Limits

Visible 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 IDAPA 16.01.01.625. Opacity shall be determined using procedures contained in the Department's "Procedures Manual for Air Pollution Control."

1.4 Visible Fugitive Emission Limits at Boundary

Visible 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. This visual determination is to be conducted using Method 22, 40 CFR Part 60, Appendix A.

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Hot-Mix Asphalt Plant, Gencor 400

2. OPERATING REQUIREMENTS

2.1 Maximum Production Rate (Attainment and Unclassifiable Areas)2.1.1 When Combusting LPG

The production rate of the hot-mix asphalt plant shall not exceed an average of four hundred twenty tons per hour (420 T/hr) or a maximum of three million six hundred seventy-nine thousand tons per year (3,679,000 T/yr).

2.1.2 When Combusting #6 Fuel Oil

The production rate of the hot-mix asphalt plant shall not exceed an average of four hundred twenty tons per hour (420 T/hr) or a maximum of five hundred ninety-three thousand four hundred sixty tons per year (593,460 T/yr)

2.2 Hours of Operation2.2.1 When Combusting #6 Fuel Oil - PM-10 Nonattainment Areas

The maximum daily hours of operation of the hot-mix asphalt plant, including operation of the diesel fired generator, shall not exceed twelve and one half hours per day (12.5 hr/day) or fourteen hundred and thirteen hours per year (1,413) hr/yr).

2.3 Pressure Drop Across Air Pollution Control Device

The pressure drop across the air-pollution control device shall be maintained within manufacturer's specifications and recommendations. Documentation of the manufacturer's operating pressure drop specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

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Hot-Mix Asphalt Plant, Gencor 400

2.4 Installation of 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.

2.5 Operating and Maintenance Manual

Within sixty (60) days of initial startup of the asphalt plant the permittee shall develop an Operation and Maintenance Manual (Manual) for the control device which describes the procedures that will be followed to comply with Section 2.3 of this permit and General Provision B. This Manual shall remain on-site at all times and copies shall be made available to Department representatives upon request.

2.6 Control of Fugitive Emissions

Fugitive particulate emissions from the operation of the hot-mix asphalt plant, traffic on haul roads, traffic areas, and all aggregate handling equipment shall be efficiently and reasonably controlled as required in IDAPA 16.01.01.650 and IDAPA 16.01.01.808.

Efficient and reasonable controls may include, but shall not be limited to the following:

- 2.6.1 Use of water or environmentally safe chemicals;
- 2.6.2 Application of dust suppressants;
- 2.6.3 Use of control equipment;
- 2.6.4 Covering of trucks;
- 2.6.5 Paving roads; and
- 2.6.6 Prompt removal of earth or other stored material from streets, where practical.

2.7 Air Stagnation Advisory Days

There shall be no operation of the hot-mix asphalt plant during days of Air Stagnation Advisory resulting in mandatory burning bans.

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2.8 Burner Fuel

Burner fuel shall be either #6 fuel oil or liquid propane gas (LPG). Sulfur content of the #6 fuel oil shall not exceed 1.75 percent (1.75%) by weight, as required in IDAPA 16.01.01.725.

2.9 Generator Fuel

Generator fuel shall be #2 fuel oil exclusively. Sulfur content of the #2 fuel oil shall not exceed 0.5 percent (0.5%) by weight as required in IDAPA 16.01.01.725.

3. MONITORING REQUIREMENTS

3.1 Operating Parameters

The following parameters shall be monitored and recorded on both a daily and annual basis. All data shall be kept on-site in a log for the most recent two (2) year period and shall be made available to Department representatives upon request.

3.1.1 Hot-mix asphalt production; and

3.1.2 Hours of operation of the hot-mix asphalt facility.

3.2 Air Pollution Control Equipment

Pressure drop across the air-pollution control device shall be monitored and recorded on a weekly basis. All data shall be kept on-site in a log for the most recent two (2) year period and shall be made available to Department representatives upon request.

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Hot-Mix Asphalt Plant, Gencor 400

3.3 Performance Test

The permittee shall conduct a performance test to measure particulate matter (PM) emissions from the hot-mix asphalt plant exhaust stack in accordance with 40 CFR 60.93, and in accordance with General Provision F of this permit. Visible emissions from the hot-mix asphalt plant exhaust stack shall be observed during this test using the methods specified in the Department's "Procedures Manual for Air Pollution Control."

The test shall be performed while the asphalt plant is operating at maximum capacity, and the following shall be measured and recorded during the performance test:

- 3.3.1 Tons per hour (T/hr) of hot-mix asphalt paving material produced;
- 3.3.2 Pressure drop across the air-pollution control equipment; and
- 3.3.3 Type of fuel.

3.4 Fuel Monitoring

The type and amount of fuel used by the burner shall be monitored and recorded daily in a log kept at the facility for the most recent two (2) year period. The log shall be made available to Department representatives upon request.

3.5 Fuel Sulfur Content

The permittee shall record in a log the sulfur content of the #6 fuel oil and #2 diesel fuel each time the fuel is loaded into a storage tank or equivalent. The sulfur content of the fuel shall be certified by the supplier for each delivery to the facility.

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3.6 Fugitive Control Measures

The permittee shall monitor and record in a log, during operation, on a daily basis, the periodic method(s) used to reasonably control emissions from all sources listed in Section 2.6 of this permit. The log shall also include the type of control used (i.e., water, chemical dust suppressants, etc.), as well as the circumstances under which no controls are utilized. The most recent two (2) years' compilation of data shall be kept on-site and be made available to Department representatives upon request.

4. REPORTING REQUIREMENTS

4.1 Performance Test Protocol

The permittee shall submit a protocol for the performance test required in Section 3.3 of this permit, to the Department, for approval at a minimum of thirty (30) days prior to the test date.

4.2 Performance Test Report

The permittee shall submit a written report of the hot-mix asphalt plant performance test to the Department within thirty (30) days after performing the test. The information required to be recorded during the performance test shall also be submitted as part of the report.

4.3 Relocation

At least ten (10) days prior to relocation of any equipment and operations covered by this permit and in accordance with IDAPA 16.01.01.500, the permittee shall report to the Department, on relocation forms supplied by the Department, the following information:

- 4.3.1 Exact location of the new site of operations;
- 4.3.2 Start-up date at the new site of operations and the duration of operations at the new site;
- 4.3.3 Plot plan clearly showing the property boundary of the new site; and
- 4.3.4 Equipment to be used at the new location.

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4.4 Certification of Documents

All documents, including, but not limited to, records, monitoring data, supporting information, testing reports or compliance certifications submitted to the Department 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 are true, accurate and complete.

DATE: July 16, 1996

APPENDIX A

Granite Construction Company

PORTABLE HOT-MIX ASPHALT PLANT

Hourly (lb/hr) and Annual (T/yr) Emission Limits^a

SOURCE DESCRIPTION	PM-10		PM _{2.5}	
	lb/hr	T/yr	lb/hr	T/yr
Dryer Drum Stack (When Combusting LPG or #6 Fuel Oil)	22.4	99.0	34.0	99.0

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

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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 his 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 the Department's Procedures Manual for Air Pollution Control 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 the Idaho Division of Environmental Quality, in writing, of the required information for the following events within five working days after occurrence;
- 1) Initiation of Construction - Date
 - 2) Completion/Cessation of Construction - Date
 - 3) Actual Production Start up - 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 start up. Such testing must strictly adhere to the procedures outlined in the Department's Procedures Manual for Air Pollution Control, and shall not be conducted on weekends or state holidays without prior written Department approval. Testing procedures and specific time limitations may be modified by the Idaho Division of Environmental Quality by prior negotiation if conditions warrant adjustment. The Idaho Division of Environmental Quality shall be notified at least fifteen (15) days prior to the scheduled performance test. Any records or data generated as a result of such performance 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 the performance test period, unless (1) a more restrictive operating limit is specified elsewhere in this permit, or (2) 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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