



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor
C. Stephen Allred, Director

January 17, 2002

CERTIFIED MAIL # 7099 3220 0006 2681 6371

Mr. Delwyn Mickelsen, President
Mickelsen Construction
125 S. 800 W.
Blackfoot, ID 83221

RE: P-010547, Mickelsen Construction, Portable
(Portable Hot-mix Asphalt Plant, Permit to Construct No. 777-00296)

Dear Mr. Mickelsen:

The Idaho Department of Environmental Quality (Department) received a permit to construct (PTC) application from Mickelsen Construction June 15, 2001, for a portable hot-mix asphalt facility. Based on review of the application and all applicable state and federal rules and regulations, the Department finds that this project meets the provisions of IDAPA 58.01.01.200, *Rules for the Control of Air Pollution in Idaho*.

Enclosed is PTC No. 777-00296 for the portable hot-mix asphalt plant and a copy of the Portable Equipment Registration and Relocation Form. This form must be submitted to the Department at least 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.

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

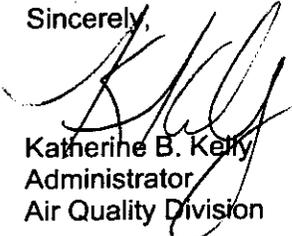
Please pay particular attention to the reporting requirements contained in Paragraph E of the General Provisions. This information is needed to properly track the progress of the permit. Refer to the appropriate permit number when submitting the required reports.

Jorge Garcia of the Idaho Falls Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements with which your facility must comply. The Department recommends attendance of your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may 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, the Department encourages you to contact us to discuss 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 call Dan Salgado, at (208) 373-0431.

Sincerely,



Katherine B. Kelly
Administrator
Air Quality Division

KK:tk G:\Air Permits\PT C\Mickelsen Const\Final Prep\IP-010547 Permit Letter.doc

cc: Kent Berry, EQM
Jorge Garcia, Idaho Falls Regional Office



**Air Quality
PERMIT TO CONSTRUCT**

State of Idaho
Department of Environmental Quality

PERMIT NO.: 777-00296

AQCR: XX

CLASS: SM

SIC: 2951

ZONE: XX

UTM COORDINATE (km): XXX.X, XXXX.X

1. PERMITTEE
Mickelsen Construction

2. PROJECT
Portable Hot-Mix Asphalt Facility

3. MAILING ADDRESS 4105 Professional Way	CITY Idaho Falls	STATE ID	ZIP 83221
4. FACILITY CONTACT Delwyn Mickelsen	TITLE President	TELEPHONE (208) 684-3803	
5. RESPONSIBLE OFFICIAL Delwyn Mickelsen	TITLE President	TELEPHONE (208) 684-3803	
6. EXACT PLANT LOCATION Portable	COUNTY		

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Hot-mix asphalt production

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 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 (Department) 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
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE January 9, 2002

Permittee: Mickelsen Construction

Location: Portable

Date Issued: January 9, 2002

SOURCE: HOT-MIX ASPHALT PLANT

1. 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.

1.1 EMISSION LIMITS

1.1.1 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 particulate matter with an aerodynamic diameter of 10 micrometers or less (PM₁₀) emissions from the hot-mix asphalt dryer stack exceed the emission rate limit listed in the appendix of this permit.

1.1.2 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 gr/dscf.

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 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

1.1.4 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 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.

1.2 OPERATING REQUIREMENTS

1.2.1 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be taken to prevent PM 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 which might affect the movement of PM. Some of the reasonable precautions include, but are not limited to, the following:

1.2.1.1 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;

1.2.1.2 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;

1.2.1.3 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;

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

1.2.1.5 Paving of roadways and their maintenance in a clean condition, where practical; or

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

1.2.2 Dryer Burner Fuel Limits

The burner fuel shall be propane or diesel only.

1.2.3 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.

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 B 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.

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.

1.3 MONITORING AND RECORDKEEPING REQUIREMENTS

1.3.1 Operating Parameters

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

1.3.1.1 Pressure drop across the air pollution control device once on a daily basis.

1.3.1.2 Hot-mix asphalt production in tons per day (T/day) and tons per month (T/mo).

1.3.2 Reasonable Control Measures

The permittee shall monitor and record, during operation, the periodic method(s) used to reasonably control emissions from this facility. The records 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.

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1.3.3 40 CFR 670.93 Initial Performance Testing Requirements

The permittee shall conduct a performance test on the hot-mix asphalt facility in accordance with 40 CFR 60.93, IDAPA 58.01.01.157, and General Provision F of this permit. The performance test shall be conducted to demonstrate compliance with the applicable PM standards defined in 40 CFR 60.92.

If the hot-mix asphalt facility has previously conducted a performance test in accordance with 40 CFR 60.93 which 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 recently conducted stack test on this asphalt facility. This report shall be made available to the Department representatives upon request.

1.3.4 Opacity and Visible Emissions Testing

The permittee shall conduct a visual determination of opacity from the hot-mix asphalt facility stack and a visual determination of emissions at the property boundary in accordance with IDAPA 58.01.01.157 and General Provision F of this permit.

1.4. REPORTING REQUIREMENTS

1.4.1 Performance Test Protocol

Prior to conducting any emission test, the permittee is strongly 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.

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 test completion.

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 a complete Portable Equipment Registration and Relocation Form (available on the Department website at: www2.state.id.us/deq/air/) in accordance with IDAPA 58.01.01.500 to:

PERF Processing Unit
Idaho Department of Environmental Quality
Air Quality Division
1410 North Hilton
Boise, ID 83706-1255

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.

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Location: Portable

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SOURCE: HOT-MIX ASPHALT PLANT

2. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN NOT COLLOCATED

The permittee shall comply with the conditions in Section 1 and 2 of this permit when the hot-mix asphalt facility is not collocated, and the facility is operated in any attainment or unclassifiable areas within the state of Idaho.

2.1 OPERATING REQUIREMENTS

2.1.1 Facility Throughput Limits

The production rate of the hot-mix asphalt facility shall not exceed a maximum of 1,680,999 tons per any consecutive 12-month period (1,680,999 T/yr) when located in any attainment or unclassifiable area.

2.1.2 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 3 of this permit must be complied with.

3. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS WHEN COLLOCATED

The permittee shall comply with the conditions in Sections 1 and 3 of this permit 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 portable rock crushing plant, one portable concrete batch plant, or one other portable hot-mix asphalt plant that has been permitted to specifically allow collocation.

3.1 OPERATING REQUIREMENTS

3.1.1 Collocation Areas

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

3.1.2 Number of Portable Sources

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

3.1.3 Facility Throughput Limits

The production rate of the hot-mix asphalt facility shall not exceed a maximum of 840,500 T/yr when collocated with another hot-mix asphalt plant, concrete batch plant, or rock crushing plant.

4. NONATTAINMENT AREA REQUIREMENTS

The permittee shall comply with the conditions in Sections 1 and 4 of this permit when the hot-mix asphalt facility is operated in any PM₁₀ nonattainment areas within the state of Idaho. While operating the hot-mix asphalt facility under the conditions set forth in Section 4, the hot-mix asphalt facility may not collocate with any other facility.

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Location: Portable

Date Issued: January 9, 2002

SOURCE: HOT-MIX ASPHALT PLANT

4.1 OPERATING REQUIREMENTS

4.1.1 Facility Throughput Limits

The production rate of the hot-mix asphalt facility shall not exceed a maximum of 131,328 tons per any consecutive 12-month period (131,328 T/yr) when located in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

4.1.2 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 PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: 777-00296

Permittee: Mickelsen Construction

Location: Portable

Date Issued: January 9, 2002

APPENDIX

APPENDIX

Portable Hot-Mix Asphalt Facility

Hourly PM₁₀ Emission Limits (lb/hr)^a

Source Description	PM₁₀ (lb/hr)
Dryer Stack Outlet	9.28

- 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.

Permittee: Mickelsen Construction

Location: Portable

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GENERAL PROVISIONS

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:
 - 5.1 Initiation of Construction - Date
 - 5.2 Completion/Cessation of Construction - Date
 - 5.3 Actual Production Startup - Date
 - 5.4 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.