1. **PERMITTEE**
   Mike’s Sand and Gravel

2. **PROJECT**
   Tier II Operating Permit – Northern Ada County PM Operation Plan

3. **MAILING ADDRESS**
   20667 Franklin Road
   City:ampa
   State: Idaho
   Zip: 83667

4. **FACILITY CONTACT**
   Mike Mulkey
   Title: President
   Telephone: (208) 939-2009

5. **RESPONSIBLE OFFICIAL**
   Mike Mulkey
   Title: President
   Telephone: (208) 939-2000

6. **EXACT PLANT LOCATION**
   2500 feet north of Joplin Road
   County: Ada

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**
   Gravel Mining, Crushing, Retail Sales

8. **PERMIT AUTHORITY**

   This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 58.01.01.400 and pertains only to emissions of air contaminants which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

   This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality’s (Department) technical analysis of the supplied information. Changes in design or equipment, that result in any change in the nature or amount of emissions, may be a modification. Modifications are subject to the Department review in accordance with Section 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

   **ADMINISTRATOR, BOISE REGIONAL OFFICE**
   DEPARTMENT OF ENVIRONMENTAL QUALITY

   **DATE ISSUED:** July 12, 2002
   **DATE EXPIRES:** July 12, 2007
EMISSION LIMITS

1.1 Emissions Limits

Particulate matter (PM), and particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM10) emissions from the sand and gravel transfer, crushers, screens, vehicle traffic, and wind erosion (stockpiles), shall not exceed the pounds per hour (lb/hr) and the tons per any 12-month period (T/yr) limits listed in the Appendix.

1.2 Capacity Limits

Emissions from the sand and gravel transfer, crushers, screens, vehicle traffic, and associated processes, as any other stone or sand mining activity, shall not exceed the limit required by New Source Performance Standards (NSPS). These rules are in 40 CFR Part 60 Subpart D and 40 CFR Part 61 Subpart D. Capacity shall be determined by the procedures contained in NEPA Part 60 Subpart DCO, and 40 CFR Part 61 Subpart DCO.

1.3 Visible Emission Limits

Visible 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 Environmental Protection Agency Reference Method 22 (as described in 40 CFR 60), the Appendix, or a Department-approved alternative method.

OPERATING REQUIREMENTS

2.1 Operating Procedures

The sand and gravel transfer, crushers, screens, and associated processes shall be operated according to the respective operation and maintenance (O&M) manuals and manufacturer’s specifications during the operation.

2.2.1 Sand and Gravel Mining

The material processed shall not exceed 600,000 tons per any consecutive 12-month period.

2.2.2 Performance Testing

The permittee shall be the performance test on the appropriate source(s) is stated in 40 CFR Part 60 Subpart DCO. A copy is located in the Appendix.
3.3.3 The term "reasonable control of fugitive emissions" as used in this section shall mean that the permittee shall ensure that reasonable control measures are taken to prevent dust and other air pollutants from entering the atmosphere and shall not exceed levels that are of a nuisance to the public, employees, or the environment. The permittee shall develop and implement a fugitive emissions control plan that includes, but is not limited to, the following:

3.3.3.1 Using suitable equipment for dust control when delivering, loading, unloading, and storing materials and waste materials, such as construction, demolition, and permittee shall avoid operating vehicles or equipment that are subject to dust.

3.3.3.2 Installing and using high-efficiency fabric filters or other control systems to reduce and control dust and other air pollutants.

3.3.3.3 Keeping open yards and equipment free of materials that may generate dust.

3.3.3.4 Keeping air curtains and maintaining them in a clean condition.

3.3.3.5 Frequent monitoring of dust control devices.

3.3.4 Monitoring and recordkeeping requirements

3.3.4.1 The permittee shall monitor and record the amount of material processed on a consecutive 12-month basis. The most recent two years' compilation of records shall be kept on file in a record, and shall be made available to Department representatives upon request.

3.3.4.2 Operations and Maintenance (O&M) Manual Requirements

Within 60 days of permit issuance, the permittee shall develop and submit a O&M manual for the mining and gravel plant to the Department of Environmental Quality, including the following:

- A description of the procedures and equipment used to prevent dust and other air pollutants from entering the atmosphere.
- A description of the preventive measures taken to ensure compliance with the requirements of this section.

3.3.5 New Source Performance Standards

The permittee shall perform all necessary reporting that is applicable to the facility as stated within NEPA Part 60 Support 606. A copy is included in the Appendix.

3.3.6 New Source Performance Standards

The permittee shall perform all necessary reporting that is applicable to the facility as stated within 40 CFR Part 60 Support 606. A copy is included in the Appendix.
4.2 Certification of Document

All documents submitted to the Department, including but not limited to, records, monitoring data, supporting information, and other materials, are hereby certified as true, complete, and accurate. The certification is made by the Department and is based on information and data prepared after reasonable inquiry. The statements and information in the documents are true, accurate, and complete.
Appendix A

Mike's Sand and Gravel

Hourly (lb/hr) and Annual (T/yr) Point Source Emissions Limits

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>PM_{10}</th>
<th>lb/hr</th>
<th>T/yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emissions from sand and gravel transfers, crushers, screens, vehicle traffic and associated processes</td>
<td></td>
<td>12.32</td>
<td>18.5</td>
</tr>
</tbody>
</table>

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

b. Pound per hour

c. As determined by multiplying the actual or allowable (if actual is not available) lb/hr emission rate by the allowable hours per year that the process(es) may operate, or by actual annual production rates.

d. Tons per year

e. Particulate matter with an aerodynamic diameter of 10 microns or less.
GENERAL PROVISIONS

A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission or 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 the 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 and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable 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 upon the permittee’s premises where an emission source is located, at 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 by this permit, and to require stack emission testing (i.e., performance testing) in conformance with state approved or accepted Environmental Protection Agency (EPA) procedures when deemed appropriate by the Director.

D. Except for data determined to be confidential under Session 9-342A, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department.

E. 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.

F. In the event of any change in the control or ownership of the facility(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.

G. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 90 days after receipt of the Director’s request shall cause the permit to be revoked.

H. The Director may require the permittee to develop a list of O&M procedures to be approved by the Department. Such lists of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.

I. Performance tests (i.e., emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 58.01.01. The testing shall not be conducted on weekends or state holidays unless the permittee obtains prior Department approval.

The permittee shall submit a proposed test date for each test required by this permit to the Department for approval at least 15 days prior to the test date (excluding weekends for periodic tests such as, for example, annual tests). The permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within 30 days of the date on which a performance test required by this permit is concluded, the permittee shall submit to the Department a performance test report for the respective test. The performance test report shall be...
include any and all process operating data required to be recorded during the test period as well as the test results, any test date, and associated documentation.

The maximum allowable source operating rate shall be limited to 120 percent of the average operating rate attained during the most recent performance test conducted pursuant to this permit, for which a test protocol has been granted prior approval by the Department, which demonstrated compliance with the respective pollutant emission limit 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.

J. The provisions of this permit are severable; 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.