



STATE OF IDAHO  
DIVISION OF  
ENVIRONMENTAL QUALITY

900 North Skyline Drive, Suite B • Idaho Falls, Idaho 83402-1716 • (208) 528-2650

June 18, 2000

Dirk Kempthorne, Governor  
C. Stephen Alfred, Administrator

**CERTIFIED MAIL 7000 0520 0015 7057 1707**

Galen R. Haugh  
Senior Vice President  
American Industrial Minerals, Inc.  
2689 Cavan Circle  
Idaho Falls, Idaho 83404

RE: P-000506, American Industrial Minerals, Inc., Pahsimeroi Valley  
(Silica Mining, PTC # 037-00007)

Dear Mr. Haugh:

On March 8, 2000, the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) received a Permit to Construct (PTC) modification request from American Industrial Minerals, Inc. (AIM) for a non-metallic mineral mining operation. On April 5, 2000, the application was declared complete. 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 modified PTC No. 037-00007, which supersedes the previously issued PTC No. 037-00007.

This permit does not release the Permittee from compliance with all other applicable federal, state, local, or tribal laws, regulations, or ordinances. 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 review this PTC. Mr. Jorge Garcia of the Idaho Falls Regional Office will contact you regarding the permit handoff meeting to discuss terms and requirements with which your facility must comply. Your facility's plant manager, your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions must be present during the meeting. A signed copy of this permit will be given to you once the permit handoff meeting has taken place.

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, 460 West State Street, Tenth Floor, Boise, Idaho 83720-5460, within thirty-five (35) days of the date of this decision. However, DEQ encourages you to contact the Air Quality Permit Program Office 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 Jorge Garcia, at (208) 528-2650.

Sincerely,

  
James J. [unclear]  
Administrator  
Idaho Falls Regional Office  
Office 67225 E-Permits/AM/000606.H.

Enclosures

cc: State Technical Services  
Idaho Falls Regional Office  
EPA Region X

JUN 22 2000

STATE OF IDAHO  
 PERMIT TO CONSTRUCT  
 AN AIR POLLUTION  
 EMITTING SOURCE

PERMIT NUMBER  
 037 - 00007

AQCR CLASS SIC  
 063 B 1429

ZONE UTM COORDINATE (km)  
 12 275.4 4923.3

DEPARTMENT OF ENVIRONMENTAL QUALITY  
 DIVISION OF PERMITS SERVICES OFFICE

1. PERMITTEE  
 American Industrial Minerals, Inc.

2. PROJECT  
 Silica Mine

3. MAILING ADDRESS 2689 Cavan Circle	CITY Idaho Falls	STATE Idaho	ZIP CODE 83404
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4. SITE LOCATION COUNTY Custer	NO. OF FULL-TIME EMPLOYEES 2	PROPERTY AREA AT SITE (Acreage) 5
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5. PERSON TO CONTACT Galen R. Haugh	TITLE Vice President	TELEPHONE (208) 528-0819
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6. EXACT PLANT LOCATION  
 Section 26, T13R22E

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS  
 Non-Metallic Mineral Mining

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 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 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.

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 may require Department approval pursuant to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 16.01.01.200, et seq.

  
 ADMINISTRATOR, IDAHO FALLS REGIONAL OFFICE  
 DIVISION OF ENVIRONMENTAL QUALITY

DATE: June 19, 2000

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

American Industrial Minerals, Inc.  
Silica Mine  
North of Arco, Idaho

**PERMIT NUMBER**

037 - 00007

**SOURCE**

Silica Mine

**1. EMISSION LIMITS**

**1.1 Visible Emission Limits**

Visible emissions emanating from the mining haul road and haul trucks shall not be observed entering ambient air for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by EPA Reference Method 22, as described in 40 CFR 60, Appendix A, or DEQ-approved alternative method.

**2. OPERATING REQUIREMENTS**

**2.1 Throughput Limits**

The maximum daily amount of waste and ore extracted from the mine shall not exceed three thousand (3,000) metric tons per day.

**2.2 Drilling Dust Control Equipment**

Drilling operations shall not be performed without utilizing the drilling dust control equipment, including water injection. The dust control equipment shall be operated as outlined by manufacturer's and Operation and Maintenance (O&M) Manual specifications. Documentation of the use and maintenance of the control equipment shall remain on site at all times and shall be made available to DEQ representatives upon request.

**2.3 Reasonable Control of Fugitive Emissions**

Mining operations shall be conducted in accordance with the Fugitive Dust Plan as required in Section 3.3 of this permit. The Fugitive Dust Plan shall assure that all reasonable precautions are 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 might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

- 2.3.1 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;
- 2.3.2 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;
- 2.3.3 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;
- 2.3.4 Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;

**DATE: June19,2000**

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Silica Mine  
North of Arco, Idaho

037 - 00007

**SOURCE**

Silica Mine

- 2.3.5 Paving of roadways and their maintenance in a clean condition, where practical; or
- 2.3.6 Prompt removal of earth or other stored material from streets, where practical.

**3. MONITORING AND RECORDKEEPING REQUIREMENTS**

**3.1 Throughput Monitoring**

Each day, the Permittee shall monitor and record the amount of waste and ore extracted and removed from the mine site. The most recent two (2) years' compilation of data shall be kept on site and shall be made available to DEQ representatives upon request.

**3.2 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 drilling dust control equipment which describes the procedures that will be followed to comply with General Provision B and the manufacturer's air pollution control device specifications. This manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

**3.3 Fugitive Dust Plan**

Within sixty (60) days after startup, the Permittee shall have developed a Fugitive Dust Plan for the mining and hauling activities which describes the procedures that will be followed to reasonably control fugitive emissions as required in IDAPA 16.01.01.651. This manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

**4. REPORTING REQUIREMENTS**

**4.1 Certification of Documents**

All documents including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, and compliance certifications submitted to DEQ shall contain a certification by a responsible official. 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.

**DATE:** June 19, 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.

<b>DATE:</b> June 19, 2000
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