STATE OF IDAHO
DIVISION OF
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor
C. Stephen Allred, Administrator

June 9, 1999

CERTIFIED MAIL #Z 273 659 326

Steve Groening, Plant Manager
Unimin Corporation
4601 Cascade Road
Emmett, Idaho 83617

RE: Unimin Corporation (Emmett) - #9507-108-2
Revised Tier II Operating Permit (#045-00003)

Dear Mr. Groening:

The Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ) received a request to modify your existing Tier II Operating Permit (OP) #045-00003 on August 31, 1998.

Based on review of the application, and all applicable state and federal rules and regulations, DEQ finds this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, enclosed is your Tier II OP (#045-00003) for the emission sources that exist at the facility. This amended permit supersedes the permit that was originally issued on August 26, 1996.

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 - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Susan J. Richards, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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Enclosure
cc: S. West, Boise Regional Office
Source File (045-00003)
COF

STATE OF IDAHO AIR POLLUTION OPERATING PERMIT GENERAL INFORMATION	PERMIT NUMBER 045 - 00003 AQCR 063 CLASS A2 SIC 1446 ZONE 11 UTM COORDINATE (km) 536.8, 4857.1

1.	PERMITTEE Unimin Corporation		
2.	PROJECT Tier II Operating Permit		
3.	MAILING ADDRESS 4601 Cascade Road	TELEPHONE # (208) 365-7153	COUNTY Gem
4.	CITY Emmett	STATE Idaho	ZIP CODE 83617
5.	PERSON TO CONTACT Steve Groening	TITLE Plant Manager	
6.	EXACT PLANT LOCATION NE 1/4, SW 1/4, S11, T6N, R2W		
7.	GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Industrial Sand		

8. PERMIT AUTHORITY

This permit is issued according to the **Rules for the Control of Air Pollution in Idaho**, Section 16.01.01.400 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 DEQ'S 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 DEPARTMENT REVIEW IN ACCORDANCE WITH SECTION 16.01.01.200 OF THE **RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO.**

Orville D. Green

ASSISTANT ADMINISTRATOR

DIVISION OF ENVIRONMENTAL QUALITY

ISSUED DATE JUNE 9, 1999

EXPIRATION DATE AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0	4	5	-	0	0	0	0	3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-01 Stack

1. EMISSIONS LIMITS

1.1 Dust Collector DC-01 Stack Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from the Dust Collector DC-01 stack shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Dust Collector DC-01 Stack Emissions Opacity Limits

Visible emissions from Dust Collector DC-01 stack shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho) (Rules). Opacity shall be determined using procedures contained in IDAPA 16.01.01.625.

2. OPERATING REQUIREMENTS

2.1 The following emissions units shall be vented to the atmosphere through Dust Collector DC-01 stack:

Bucket Elevators, BE-01, BE-02, and BE-03;
Vibrating Screens, VS-10, VS-11, and VS-14; and
Screw Conveyor, SC-03, and SC-04.

2.2 Pressure Drop Across the Dust Collector

The pressure drop across the Dust Collector DC-01 shall be maintained in accordance with manufacturer's specifications (greater than four (4) inches of water column). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.3 Scrubbing Media Flowrate

Water flowrate to the Dust Collector DC-01 shall be maintained in accordance with manufacturer's specifications (greater than or equal to sixty (60) gallons per minute). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

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 Dust Collector DC-01, and to measure the scrubbing media flowrate to the Dust Collector DC-01.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-01 Stack

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a daily basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representatives upon request.

3.1.1 Pressure drop across the Dust Collector DC-01; and

3.1.2 Scrubbing media flowrate to the Dust Collector DC-01.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0	4	5	-	0	0	0	0	3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-02 Stack

1. EMISSIONS LIMITS

1.1 Dust Collector DC-02 Stack Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from the Dust Collector DC-02 stack shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Dust Collector DC-02 Stack Emissions Opacity Limits

Visible emissions from Dust Collector Stack DC-02 shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho) (Rules). Opacity shall be determined using procedures contained in IDAPA 16.01.01.625.

2. OPERATING REQUIREMENTS

2.1 The following emissions units shall be vented to the atmosphere through Dust Collector DC-02 stack:

Bucket Elevators, BE-04 and BE-05;
Nine (9) Vibrating Screens, VS-01 to VS-09;
Eleven (11) Bins, BN-01 to BN-11;
Belt Conveyors, BC-05 and BC-10; and
Screw Conveyors, SC-06, SC-07, and SC-08.

2.2 Pressure Drop Across the Dust Collector

The pressure drop across the Dust Collector DC-02 shall be maintained in accordance with manufacturer's specifications (greater than two (2) inches of water column). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.3 Scrubbing Media Flowrate

Water flowrate to the Dust Collector DC-02 shall be maintained in accordance with manufacturer's specifications (greater than or equal to seventy (70) gallons per minute). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

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 Dust Collector DC-02, and to measure the scrubbing media flowrate to the Dust Collector DC-02.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0	4	5	-	0	0	0	0	3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-02 Stack

2.5 Material Processed

The Permittee shall process a maximum of 19.27 tons per hour of material across VS-07 and VS-08. This limit can only be exceeded while conducting further source testing.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a daily basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representatives upon request.

3.1.1 Pressure drop across the Dust Collector DC-02; and

3.1.2 Scrubbing media flowrate to the Dust Collector DC-02.

3.2 The material processed across VS-07 and VS-08 shall be monitored and recorded every ten (10) hours. All data shall be kept on-site in a log for a period of two (2) years and made available to DEQ representatives upon request.

4. REPORTING REQUIREMENTS

4.1 NSPS Reporting Requirements

The Permittee shall comply with the reporting and recordkeeping requirements required by 40 CFR 60.676.

4.2 Certification of Documents

All documents, including, but not limited to, records, monitoring data, supporting information, testing reports or compliance certifications submitted to DEQ 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.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-03 Stack

1. EMISSIONS LIMITS

1.1 Dust Collector DC-03 Stack Emissions Limits

Emissions of particulate matter (PM), particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10), sulfur dioxide (SO_2), oxides of nitrogen (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from the Dust Collector DC-03 stack, shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Dust Collector DC-03 Stack Emissions Opacity Limits

Visible emissions from Dust Collector DC-03 stack shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 Rules. Opacity shall be determined using procedures contained in IDAPA 16.01.01.625 Rules.

2. OPERATING REQUIREMENTS

2.1 The following emissions units shall be vented to the atmosphere through Dust Collector DC-03 stack:

Dryer, DR-01; and
Burner, BU-01.

2.2 Pressure Drop Across the Dust Collector

The pressure drop across the Dust Collector DC-03 shall be maintained in accordance with manufacturer's specifications (greater than six (6) inches of water column). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.3 Scrubbing Media Flowrate

Water flowrate to the Dust Collector DC-02 shall be maintained in accordance with manufacturer's specifications (greater than or equal to 110 gallons per minute). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

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 Dust Collector DC-03, and to measure the scrubbing media flowrate to the Dust Collector DC-03.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-03 Stack

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a daily basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representatives upon request.

3.1.1 Pressure drop across the Dust Collector DC-03; and

3.1.2 Scrubbing media flowrate to the Dust Collector DC-03.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-04 Stack

1. EMISSIONS LIMITS

1.1 Dust Collector DC-04 Stack Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from the Dust Collector DC-04 stack shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Dust Collector DC-04 Stack Emissions Opacity Limits

Visible emissions from Dust Collector DC-04 stack shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 Rules. Opacity shall be determined using procedures contained in IDAPA 16.01.01.625 Rules.

2. OPERATING REQUIREMENTS

2.1 The following emissions units shall be vented to the atmosphere through Dust Collector DC-04 stack:

Hopper, HO-05;
Belt Conveyor BC-07 and BC-06; and
Bagging stations, BG-01, BG-02, and BG-03.

2.2 Pressure Drop Across the Dust Collector

The pressure drop across the Dust Collector DC-04 shall be maintained in accordance with manufacturer's specifications (greater than two (2) inches of water column). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

2.3 Scrubbing Media Flowrate

Water flowrate to the Dust Collector DC-04 shall be maintained in accordance with manufacturer's specifications (greater than or equal to thirty (30) gallons per minute). Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to DEQ representatives upon request.

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 Dust Collector DC-04, and to measure the scrubbing media flowrate to the Dust Collector DC-04.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dust Collector DC-04 Stack

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a daily basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representatives upon request.

3.1.1 Pressure drop across the Dust Collector DC-04; and

3.1.2 Scrubbing media flowrate to the Dust Collector DC-04.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Wet Plant Feeder and Processing

1. EMISSIONS LIMITS

1.1 Wet Plant Feeding Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from hopper HO-01, feeder FE-01, rod mill RM-01 and belt conveyor BC-01 shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Wet Process Emissions Limits

No emissions of any air pollutants shall be emitted from screening, milling, transferring, conditioning, pumping, or stockpiling of sand in the wet plant.

1.3 Wet Plant Feeding Emissions Opacity Limits

Visible emissions from sand feeding to the wet plant shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 Rules. Opacity shall be determined using procedures contained in IDAPA 16.01.01.625 Rules.

1.4 Wet Process Emissions Opacity Limits

No visible emissions shall be observed from screening, milling, transferring, conditioning, pumping, or stockpiling of sand in the wet plant.

2. OPERATING REQUIREMENTS

2.1 Raw Sand Moisture Content

The moisture content of feed, raw sand to the wet plant shall be greater than 1.5% at all times.

2.2 Moisture Content in the Wet Plant

Sand in the wet plant process shall be completely saturated with water at all times.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a quarterly basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representative upon request.

3.1.1 Moisture content of feed, raw sand to the wet plant process.

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Dryer Feeding Operation

1. EMISSIONS LIMITS

1.1 Dryer Operation Feeding Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from hopper HO-02, screw conveyor SC-01 and SC-02, and belt conveyor BC-02 shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Dryer Operation Feeding Emissions Opacity Limits

Visible emissions from sand feeding to the dryer operation shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 Rules. Opacity shall be determined using procedures contained in IDAPA 16.01.01.625 Rules.

2. OPERATING REQUIREMENTS

2.1 Sand Moisture Content

The moisture content of feed sand to the dryer operation shall be greater than 1.5% at all times.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a quarterly basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representative upon request.

3.1.1 Moisture content of feed sand to the dryer operation.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Loadout Operation

1. EMISSIONS LIMITS

1.1 Loadout Operation Emissions Limits

Emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter of ten (10) microns or less (PM-10) from hoppers HO-03 and HO-04, belt conveyors BC-11, BC-07 and BC-12, and bulk loading 11C shall not exceed any corresponding emission rate limit, listed in Appendix A of this permit.

1.2 Loadout Operation Emissions Opacity Limits

Visible emissions from sand loading, feeding, or conveying in the loadout operation shall not exhibit greater than twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, as required by IDAPA 16.01.01.625 Rules. Opacity shall be determined using procedures contained in IDAPA 16.01.01.625 Rules.

2. OPERATING REQUIREMENTS

2.1 Sand Moisture Content

The moisture content of feed sand to hopper HO-03 and belt conveyor BC-12 shall be greater than 1.5% at all times.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

3.1 The following parameters shall be monitored and recorded on a quarterly basis. All data shall be kept on-site, in a log, for a period of two (2) years and made available to DEQ representative upon request.

3.1.1 Moisture content of feed sand to hopper HO-03 and belt conveyor BC-12.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Stockpiles and Plant Roads

1. OPERATING REQUIREMENTS

1.1 Fugitive emissions generated from stockpiles and traffic on paved or unpaved roads shall be reasonably controlled in accordance with IDAPA 16.01.01.650 Rules. Some of the efficient and reasonable controls may include, but shall not be limited to the following:

1.1.1 Use of water or environmentally safe chemicals;

1.1.2 Application of dust suppressants;

1.1.3 Use of control equipment;

1.1.4 Covering of trucks;

1.1.5 Paving roads; and

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

1.2 Opacity from fugitive emissions leaving the plant site shall not exceed twenty percent (%20).

2. MONITORING AND RECORDKEEPING REQUIREMENTS

The Permittee shall maintain a log of fugitive dust complaints received. All necessary corrective action shall be taken if the complaint has merit. The log shall, at a minimum, include the date that each complaint was received and a description of the following: the complaint, the Permittee's assessment of the complaint's validity, and any corrective action taken.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001

AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION

Unimin Corporation
Tier II Operating Permit
Emmett, Idaho

PERMIT NUMBER

0 4 5 - 0 0 0 0 3

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Appendix A

Appendix A

Unimin Corporation - Emmett

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

Source	PM		PM-10		SO_2		CO		NO_x		VOC	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Dust Controller DC-01 Stack	1.38	6.04	0.53	2.30	-----	-----	-----	-----	-----	-----	-----	-----
Dust Controller DC-02 Stack	2.95	12.9	1.13	4.93	-----	-----	-----	-----	-----	-----	-----	-----
Dust Controller DC-03 Stack	3.24	14.2	1.23	5.41	0.012	0.052	0.69	3.04	2.77	12.1	0.12	0.50
Dust Controller DC-04 Stack	1.18	5.18	0.45	1.97	-----	-----	-----	-----	-----	-----	-----	-----
Emissions from Wet Plant, no Dust Collector	0.77	3.35	0.27	1.18	-----	-----	-----	-----	-----	-----	-----	-----
Emissions from Dryer Operation, no Dust Collector	0.47	2.04	0.17	0.72	-----	-----	-----	-----	-----	-----	-----	-----
Emissions from Loadout Operation, no Dust Collector	1.36	5.95	0.50	2.17	-----	-----	-----	-----	-----	-----	-----	-----
Total	11.4	49.7	4.28	18.7	0.012	0.052	0.69	3.04	2.77	12.1	0.12	0.50

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

ISSUED DATE: JUNE 9, 1999
EXPIRATION DATE: AUGUST 26, 2001

TIER II OPERATING PERMIT GENERAL PROVISIONS

A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. 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 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, 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 to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.

D. Except for data determined to be confidential under Section 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 Division of Environmental Quality.

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 control or ownership of source(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 sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures to be approved by DEQ. Such list 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.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with IDAPA 16.01.01.157. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior DEQ approval.

The Permittee shall submit a proposed test date for **each** performance test required by this permit to DEQ for approval at least fifteen (15) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify DEQ of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless DEQ approves a shorter notice period.

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

The maximum allowable source operating rate shall be limited to 120% 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 DEQ, 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; 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.

ISSUED DATE:	JUNE 9, 1999
EXPIRATION DATE:	AUGUST 26, 2001