



STATE OF IDAHO
DIVISION OF
ENVIRONMENTAL QUALITY

2110 Ironwood Parkway • Coeur d'Alene, Idaho 83814-2648 • (208) 769-1422

Dirk Kempthorne, Governor
C. Stephen Allred, Administrator

February 29, 2000

CERTIFIED MAIL # Z 440 612 722

Tom Mattix
Operations Manager
Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

RE: P-990147, Acme Materials & Construction, Rathdrum
(Permit to Construct Modification No. 055-00048)

Dear Mr. Mattix:

On November 10, 1999, the Idaho Department of Health and Welfare, Division of Environmental Quality (DEQ), received a Permit to Construct (PTC) application from Acme Materials & Construction for a modification at Acme's facility located near Rathdrum, Idaho. Supplemental information was received on December 9, 1999, and the application was then determined complete on December 16, 1999. 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. 055-00048 which supersedes PTC No. 777-00058 dated February 1, 1995. Please be aware that the performance testing requirement for the hot-mix asphalt plant has been satisfied. The requirement remains in the permit to retain the integrity of the original document.

This permit does not release the Permittee from compliance with all other applicable federal, state, local, or tribal laws, regulations, and ordinances. With regard to collocation with another portable facility, conservative assumptions were used to derive the throughput limitations. If this throughput is too restrictive for a particular project, contact DEQ 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 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 request a meeting with DEQ to discuss the permit terms and requirements with which your facility must comply. Mr. Tom Harman of the Coeur D'Alene Regional Office will contact you regarding this meeting. DEQ strongly recommends that in addition to your facility's plant manager; your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions also attend the meeting.

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 Floor, Boise, Idaho 83720-5450, within

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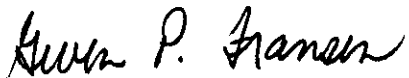
DIV. OF ENVIRONMENTAL QUALITY
TECHNICAL SERVICES OFFICE

Tom Mattix
February 28, 2000
Page 2

thirty-five (35) days of the date of this decision. However, DEQ encourages you to contact the Air Quality Permit Program 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 Tom Harman, at (208) 769-1422.

Sincerely,



Gwen P. Fransen
Regional Administrator
Coeur d'Alene Regional Office

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Enclosures

cc:	T. Harman, Coeur D'Alene RO	RO Source File
	P. Rayne, AFS	R. Wilkosz, AQP
	Database Source File (055-00048)	Bill Rogers, TSO
	Permit File Manual	Fred Hobbs
	L. Kral, EPA Region X	

STATE OF IDAHO
 PERMIT TO CONSTRUCT
 AN AIR POLLUTION
 EMITTING SOURCE

PERMIT NUMBER

055 - 00048

AQCR

062

CLASS

A2

SIC

1442

ZONE

11

UTM COORDINATE (km)

507.2 . 5290.1

1. PERMITTEE

Acme Materials & Construction

2. PROJECT

Hot-Mix Asphalt Plant, Rock Crushing Plant, Concrete Batch Plant

3. MAILING ADDRESS

8805 W. Wyoming Avenue

CITY

Rathdrum

STATE

ID

ZIP CODE

83858

4. SITE LOCATION COUNTY

Kootenai

NO. OF FULL-TIME EMPLOYEES

25+

PROPERTY AREA AT SITE (Acreage)

200

5. PERSON TO CONTACT

Tom Mattix

TITLE

Operations Manager

TELEPHONE

(208) 687-5213

6. EXACT PLANT LOCATION

8805 W. Wyoming Avenue, 1/2 mile west of Highway 41

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Mining of sand and gravel, production of ready-mix concrete and hot-mix asphalt

3. 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.



REGIONAL ADMINISTRATOR, COEUR D'ALENE REGIONAL OFFICE
 DIVISION OF ENVIRONMENTAL QUALITY

DATE: February 29, 2000

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

Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

0 5 5 - 0 0 0 4 8

SOURCE

Facility-Wide Conditions

A. FACILITY-WIDE CONDITIONS

A.1 Opacity Limit

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 in IDAPA 16.01.01.625 (*Rules for the Control of Air Pollution in Idaho*). Opacity shall be determined using the procedures contained in IDAPA 16.01.01.625.

A.2 Facility-Wide Visible Emissions Inspection

The permittee shall conduct a monthly facility-wide visible emission inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. If opacity is greater than twenty percent (20%) for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 16.01.01.130-136. The permittee shall maintain a log of the results of each monthly visible emission inspection. The log shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed) and any corrective action taken in response to the visible emissions.

A.3 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be 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:

- A.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;
- A.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;
- A.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;
- A.3.4 Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts;
- A.3.5 Paving of roadways and their maintenance in a clean condition, where practical; or
- A.3.6 Prompt removal of earth or other stored material from streets, where practical.

DATE: February 29, 2000

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Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

0 5 5 - 0 0 0 4 8

SOURCE

Facility-Wide Conditions

A.4 Fugitive Dust Control Plan

Within sixty (60) days of issuance of the permit, the permittee shall have developed and submitted to the appropriate DEQ Regional Office a Fugitive Dust Control Plan for the facility. This plan shall include the following information:

- A.4.1 Identify and list all areas of operations where fugitive dust may be generated (i.e. haul roads, vehicle traffic areas, storage piles, transfer points, etc.).
- A.4.2 For each fugitive dust source listed, identify and describe the type of control methods and procedures to be used to control fugitive emissions (i.e. application of water or chemical dust suppressants, covering open trucks transporting dusty material, paving of roadways, etc.).
- A.4.3 The plan shall include a log to record when each fugitive dust source is controlled and the type of control used. A sample copy of the log shall be submitted to DEQ with the Fugitive Dust Control Plan for DEQ approval.

A.5 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 (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by Method 22, 40 CFR Part 60, Appendix A, or a DEQ-approved alternative method.

A.6 Facility-Wide Fugitive Emissions Inspection

The permittee shall conduct a weekly facility-wide fugitive emission inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are present the permittee shall take corrective action, if appropriate, to ensure that the fugitive emissions are being reasonably controlled. The permittee shall maintain a log of the results of each weekly fugitive emission inspection. The log shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions are present (if observed) and any corrective action taken in response to the fugitive emissions.

A.7 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, 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(s) are true, accurate, and complete.

DATE: February 29, 2000

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

Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

0 5 5 - 0 0 0 4 8

SOURCE

Hot-Mix Asphalt Plant

B. HOT-MIX ASPHALT PLANT

B.1 EMISSION LIMITS

B.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) as required by 40 CFR 60.92, nor shall carbon monoxide (CO) emissions from the hot-mix asphalt dryer stack exceed thirty-six and seventy-nine hundredths tons per any consecutive 12-month period (36.79 T/yr).

B.1.2 Other Particulate Matter Emission Limits

Gases from systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot-mix asphalt; and the loading, transfer, and storage systems associated with emissions control systems which emanate from a stack, vent, or other functionally equivalent opening shall not contain PM emissions in excess of 0.04 grains per dry standard cubic foot (gr/dscf) as required by 40 CFR 60.92.

B.2 OPERATING REQUIREMENTS

B.2.1 Hot-Mix Asphalt Production Limit

The production rate of the hot-mix asphalt facility shall not exceed a maximum of one million, three hundred fourteen thousand tons per any consecutive 12-month period (1,314,000 T/yr).

B.2.2 Dryer Burner Fuel Limits

The burner fuel shall be natural gas, or propane gas only.

B.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.

B.2.4 Operations and Maintenance Manual Requirements

Within sixty (60) days after issuance of this permit, 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 on-site at all times and shall be available to DEQ representatives upon request.

B.2.5 Pressure Drop Across Air Pollution Control Device

The pressure drop across the air pollution control device shall be maintained within the manufacturer's and O&M Manual's specifications. Documentation of both the manufacturer's and O&M Manual's operating

DATE: February 29, 2000

**PERMIT TO CONSTRUCT
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Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

0 5 5 - 0 0 0 4 8

SOURCE

Hot-Mix Asphalt Plant

pressure drop specifications shall remain on-site at all times and shall be available to DEQ representatives upon request.

B.3 MONITORING AND RECORDKEEPING REQUIREMENTS

B.3.1 Operating Parameters

The following parameters shall be monitored and recorded when operating. The most recent two (2) years' compilation of data shall be kept on site, in a log, and be available to DEQ representatives upon request:

B.3.1.1 Hot-mix asphalt production in tons per month (T/mo) and tons per year (T/yr); and

B.3.1.2 Pressure drop across the air pollution control device once on a weekly basis.

B.3.2 Performance Testing Requirements

The Permittee shall conduct a performance test on the hot-mix asphalt facility in accordance with 40 CFR 60.93, IDAPA 16.01.01.157 and General Provision F of this permit. The performance test shall be conducted to demonstrate compliance with the applicable particulate matter standards defined in 40 CFR 60.92.

B.4 REPORTING REQUIREMENTS

B.4.1 Performance Test Protocol

Prior to conducting any emission test, the Permittee is strongly encouraged to submit in writing to DEQ, at least thirty (30) days in advance, a performance test protocol in accordance with IDAPA 16.01.01.157.01.a.

B.4.2 Performance Test Report

In accordance with IDAPA 16.01.01.157.04, the Permittee shall submit a written report of the performance test results to DEQ within thirty (30) days of completion of the test.

DATE: February 29, 2000

**PERMIT TO CONSTRUCT
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PERMIT NUMBER

Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

0 5 5 - 0 0 0 4 8

SOURCE

Rock Crushing Plant

C. ROCK CRUSHING PLANT

C.1 EMISSION LIMITS

C.1.1 Crusher Opacity Limit

Particulate matter (PM) emissions from portable rock crushers shall not exhibit more than fifteen percent (15%) opacity as required by 40 CFR 60.672. Opacity shall be determined using the procedures specified in IDAPA 16.01.01.625 (*Rules for the Control of Air Pollution in Idaho*).

C.1.2 Transfer Point Opacity Limit

PM emissions from any transfer point on belt conveyors, or from each grinding mill, screening operation, bucket elevator, belt conveyor bagging operation, storage bin, enclosed truck, or rail car loading station shall not exhibit greater than ten percent (10%) opacity as required by 40 CFR 60.672. Opacity shall be determined using the procedures specified in IDAPA 16.01.01.625.

C.2 OPERATING REQUIREMENTS

C.2.1 Facility Production Limit

The production rate of the rock crushing facility shall not exceed a maximum of eight hundred thirty-one thousand, three hundred thirty-eight tons per any consecutive 12-month period (831,338 T/yr).

C.2.2 Water Spray Bars

Water spray bars shall be installed at each transfer point, crusher, and screen deck, where needed, and shall be operated according to the methods and procedures described in Condition A.4 of this permit to control fugitive dust emissions.

C.3 MONITORING AND RECORDKEEPING REQUIREMENTS

C.3.1 Monitor Facility Production

The Permittee shall monitor and record, when operating, the total aggregate production of the crushing facility in tons per month (T/mo) and tons per year (T/yr). The most recent two (2) years' compilation of data shall be kept on site, in a log, and shall be made available to DEQ representatives upon request.

C.3.2 Performance Testing Requirements

The Permittee shall conduct a performance test on the rock crushing facility in accordance with 40 CFR 60.675, IDAPA 16.01.01.157 and General Provision F of this permit. The performance test shall be conducted to demonstrate compliance with the applicable particulate matter standards defined in 40 CFR 60.672.

DATE: February 29, 2000

**PERMIT TO CONSTRUCT
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Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

0 5 5 - 0 0 0 4 8

SOURCE

Rock Crushing Plant

C.4 REPORTING REQUIREMENTS**C.4.1 Performance Test Protocol**

Prior to conducting any emission test, the Permittee is strongly encouraged to submit in writing to DEQ, at least thirty (30) days in advance, a performance test protocol in accordance with IDAPA 16.01.01.157.01.a.

C.4.2 Performance Test Report

In accordance with IDAPA 16.01.01.157.04, the Permittee shall submit a written report of the performance test results to DEQ within thirty (30) days of completion of the test.

DATE: February 29, 2000

**PERMIT TO CONSTRUCT
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Acme Materials & Construction
8805 W. Wyoming Avenue
Rathdrum, ID 83858

PERMIT NUMBER

055 - 00048

SOURCE

D. CONCRETE BATCH PLANT

D.1 OPERATING REQUIREMENTS

D.1.1 Production Limit

The production rate of the concrete batching plant shall not exceed a maximum of one million, seven hundred fifty-two thousand cubic yards per any consecutive 12-month period (1,752,000 cy/yr).

D.1.2 Monitoring Equipment

The Permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer's specifications, equipment to measure the pressure differential across the air pollution control equipment.

D.1.3 Operations and Maintenance Manual Requirements

Within sixty (60) days after issuance of this permit, the Permittee shall have developed an Operations and Maintenance (O&M) Manual for the air pollution control device which describes the procedures that shall be followed to comply with General Provision B and the air pollution control device requirements contained in this permit. The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

D.1.4 Pressure Drop Across Air Pollution Control Device

The pressure drop across the air pollution control device shall be maintained within the manufacturer's and O&M Manual's specifications. Documentation of both manufacturer's and O&M Manual's operating pressure drop specifications shall remain on site at all times and shall be made available to DEQ representatives upon request.

D.2. MONITORING AND RECORDKEEPING REQUIREMENTS

D.2.1 Operating Parameters

The following operating parameters shall be monitored and recorded when operating. The most recent two (2) years' compilation of data shall be kept on site, in a log, and shall be made available to DEQ representatives upon request.

D.2.1.1 Concrete production in cubic yards per month (cy/mo) and cubic yards per year (cy/yr); and

D.2.1.2 Pressure drop across the air pollution control device once on a weekly basis.

DATE: February 29, 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.

DATE: February 29, 2000
