



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor
C. Stephen Allred, Director

December 29, 200~~4~~³

Certified Mail No. 7099 3220 0009 1975 4632

Jana McDonald
Environmental Engineer
Central Pre-Mix
P. O. Box 3366
Spokane, WA 99220

RE: AIRS Facility No. 777-00330, Central Pre-Mix, Portable
Final Permit Letter

Dear Ms. McDonald:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-030121 for Central Pre-Mix in accordance with IDAPA 58.01.01.200 through 228 (*Rules for the Control of Air Pollution in Idaho*). This permit is effective immediately and is based on your permit application received on June 27, 2003.

This permit does not release Central Pre-Mix from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Tom Harman of the Coeur d'Alene Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in cursive script that reads "Martin Bauer".

Martin Bauer
Administrator
Air Quality Division

MB/ABC/sd

Permit No. P-030121

Enclosures

c: **Tom Krinke, Boise Regional Office**
Sherry Davis, Air Quality Division/SF
Laurie Kral, EPA Region 10
Bill Rogers, Regional Permit Coordinator
Almer Casile, Permit Writer
Marilyn Seymore/Permit File
Pat Rayne, Data Entry
Permit Binder
Reading File

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Acronyms, Units, and Chemical Nomenclature

AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
BPM's	Best management Practices
DEQ	Department of Environmental Quality
hr/day	hours per day
hr/yr	hours per year
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
kw	kilowatt
O&M	operations and maintenance
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PTC	permit to construct
SIC	Standard Industrial Classification
UTM	Universal Transverse Mercator
yd ³ /hr	cubic yard per hour
yd ³ /yr	cubic yard per year

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Permittee:	Central Pre-Mix	AIRS Facility No. 777-00330	Date Issued:	December 29, 2003
Location:	Portable			

1. PERMIT TO CONSTRUCT SCOPE

Purpose

This PTC is for a new portable concrete batch plant.

Regulated Sources

Table 1.1 lists all sources of regulated emissions in this PTC.

Table 1.1 REGULATED EMISSIONS SOURCES

Permit Sections	Source Descriptions	Emissions Control(s)
2,3,4,5	Koehring – Johnson, Johnson Super Champ Portable Concrete Batch Plant, 150 yd ³ /hr	Baghouse
2,3,4,5	Caterpillar 150kw diesel generator	None

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2. STATEWIDE REQUIREMENTS

The permittee shall comply with the following conditions when the concrete batch plant is operated anywhere (nonattainment, attainment, or unclassifiable areas) within the state of Idaho.

Emissions Limits

2.1 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. Opacity shall be determined using the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

2.3 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 that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:

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

2.4 Fugitive Dust Best Management Practices (BMP's)

The permittee shall immediately implement a strategy or strategies to control fugitive dust emissions whenever:

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2.4.1 Visible fugitive emissions are greater than 20% from any transfer point. For the purposes of this permit condition, transfer points include, but are not limited to, the following: transfer of sand and aggregate to respective weight bins/hoppers or storage bins/hoppers; transfer of sand and aggregate from respective weight bins/hoppers or storage bins/hoppers to a conveyor; transfer of sand and aggregate from a conveyor to the mix truck; transfer of cement from its storage silo to the mix truck.

- Transfer point control strategies include, but are not limited to, the following: limit drop heights such that there is a homogeneous flow of material; install, operate, and maintain water spray bars to control fugitive dust emissions at transfer points on conveyors.

2.4.2 Visible fugitive emissions from wind erosion on stockpiles exceeds 20% opacity for a period or periods aggregating more that one minute in any 60-minute period.

- Stockpile wind erosion control strategies include, but are not limited to, the following: limit the height of the stockpiles; limit the disturbance of stockpiles; apply water or a chemical dust suppressant onto the surface of the stockpile.

2.4.3 Visible fugitive emissions from vehicle traffic on any paved or unpaved roads within the facility boundary of the concrete batch plant exceeds 20% opacity for a period or periods aggregating more than one minute in any 60-minute period.

- Visible fugitive emissions control strategies for vehicle traffic on paved and unpaved roads within the facility boundary include, but are not limited to, the following: limit vehicle traffic; limit vehicle speed; apply water or a chemical dust suppressant to the surface of the road; apply gravel to the surface of unpaved roads; and sweep or use water sprays to clean the surface of a paved road.

2.5 Pressure Drop Across Air Pollution Control Device

The permittee shall install a device to measure the pressure drop across the baghouse and it shall be maintained within manufacturer and O&M manual specifications. Documentation of both manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to DEQ representatives upon request.

2.6 O&M Manual Requirements

Within 60 days after startup, the permittee shall have developed an O&M manual for the air pollution control device describing the procedures that shall be followed to comply with General Provision 2 and the air pollution control device requirements contained in this permit. The manual shall remain onsite at all times and shall be made available to DEQ representatives upon request. A copy of the manual shall be sent to the following address:

Air Quality Permit Compliance
Department of Environmental Quality
Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
Phone: (208) 769-1422 Fax: (208) 769-1404

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Monitoring and Recordkeeping Requirements

2.7 Operating Parameters

The following operating parameters shall be monitored and recorded. A compilation of the most recent two years of records shall be kept onsite and shall be made available to DEQ representatives upon request.

- Pressure drop reading across the air pollution control device once per week
- Concrete production in cubic yards per day and cubic yards per month

2.8 Reasonable Control Measures

The permittee shall conduct a monthly facility-wide 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 not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each monthly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

2.9 Monitor Generator Hours of Operation

The permittee shall monitor and record the hours of operation of the generator on a monthly basis while operating in PM₁₀ attainment or unclassified areas and daily while operating in PM₁₀ nonattainment areas. A compilation of the most recent two years of records shall be kept onsite and shall be made available to DEQ representatives upon request.

2.10 Facility Hours of Operation

The permittee shall monitor and record hours of operation of the facility.

Reporting Requirements

2.11 Relocation

All existing portable equipment shall be registered. At least 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 DEQ website at: www.state.id.us/deq/air/equip_relocat.htm), in accordance with IDAPA 58.01.01.500, to the following address:

PERF Processing Unit
DEQ - Air Quality
1410 N. Hilton
Boise, ID 83706-1255

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3. ATTAINMENT OR UNCLASSIFIABLE AREA REQUIREMENTS

The permittee shall comply with the requirements in Permit Condition 2 and the following permit conditions when the concrete batch facility is operated in any PM₁₀ attainment or unclassifiable areas when collocated and not collocated.

Operating Requirements

3.1 Facility Throughput Limits

The cement usage rate of the concrete batch facility shall not exceed 657,000 yd³/yr when operating in any attainment or unclassifiable area.

3.2 Generator Hours of Operation

The generator shall not be operated more than 4380 hr/yr when operating in any PM₁₀ attainment or unclassifiable area.

3.3 The permittee shall comply with Permit Condition 2.9 to demonstrate compliance with Permit Condition 3.2.

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4. NONATTAINMENT AREA REQUIREMENTS WHEN COLLOCATED

The permittee shall comply with the requirements in Permit Condition 2 and the following permit conditions when the concrete batch facility is to be collocated, and operated, with another portable concrete batch plant, rock-crushing plant, or HMA plant in any PM₁₀ nonattainment areas within the state of Idaho. The concrete batch facility may collocate with only one portable rock-crushing plant, one portable HMA plant, or one other portable concrete batch plant that has also been permitted to specifically allow collocation.

Operating Requirements

- 4.1 The concrete batch facility shall not operate in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area without prior DEQ approval when collocated with any portable rock-crushing plant, portable HMA plant, or other portable concrete batch plant.
- 4.2 The permittee shall comply with Permit Condition 2.11 to demonstrate compliance with Permit Condition 4.1.

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5. NONATTAINMENT AREA REQUIREMENTS WHEN NOT COLLOCATED

The permittee shall comply with the requirements in Permit Condition 2 and the following permit conditions when the concrete batch facility is operated in any nonattainment area, when it is not collocated within the state of Idaho.

Operating Requirements

5.1 Facility Throughput Limits

The cement usage rate of the concrete batch facility shall not exceed 657,000 yd³/yr when located in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

5.2 Generator Hours of Operation

5.2.1 The generator shall not be operated more than 1812 hr/yr when operating in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

5.2.2 The generator shall not be operated more than 5 hr/day when operating in any PM₁₀ nonattainment area or proposed PM₁₀ nonattainment area.

5.3 The permittee shall comply with Permit Condition 2.10 to demonstrate compliance with Permit Condition 5.2.

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6. PERMIT TO CONSTRUCT GENERAL PROVISIONS

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. 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., and the permittee is subject to penalties for each day of noncompliance.
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:
 - 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.
 - 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 DEQ, in writing, of the required information for the following events within five working days after occurrence:
 - Initiation of Construction - Date
 - Completion/Cessation of Construction - Date
 - Actual Production Startup - Date
 - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. If compliance testing is specified, the permittee must schedule and perform such testing within 60 days after achieving the maximum production rate, and not later than 180 days after initial startup. This requirement shall be construed as an ongoing requirement. The permittee shall not operate the source without testing within 180 days. If testing is not conducted within 180 days after initial startup, then each day of operation thereafter without the required compliance test constitutes a violation. 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 DEQ. Testing procedures and specific time limitations may be modified by DEQ by prior negotiation if conditions warrant adjustment. DEQ 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 DEQ upon request.

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The maximum allowable operating rate shall be limited to 120% of the average operating rate attained during any compliance 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 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.
8. In accordance with IDAPA 58.01.01.123, all documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification 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.