STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

Dirk Kempthorne, Governor
Toni Hardesty, Director

March 8, 2006

Certified Mail No. 7005 1160 0000 1550 1259

Tom Mattix
Site Manager
Norm's Utility Contractor, Inc.
8976 W. Wyoming Ave.
Rathdrum, ID 83858

RE: Facility ID No. 777-00371, Norm's Utility Contractor, Inc., Rathdrum
Portable Concrete Batch Plant, Permit to Construct No. P-050124

Dear Mr. Mattix:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-050124 for Norm's Utility Contractor, Inc. in accordance with IDAPA 58.01.01.200 (Rules for the Control of Air Pollution in Idaho). This PTC, which is effective immediately, summarizes the applicable requirements for your facility.

The enclosed PTC is based on the information contained in your permit application, received October 3, 2005. Modification to this PTC shall be requested in a timely manner in accordance with the Rules for the Control of Air Pollution in Idaho.

Enclosed is a copy of the portable equipment relocation form that is required to be completed and submitted to DEQ at least 10 days prior to relocation of any equipment covered by this permit. Also enclosed are copies of maps showing all nonattainment areas within the state of Idaho.

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 5 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 encouraged to request a meeting with DEQ to discuss the permit terms and requirements with which your facility must comply. A representative of the Coeur d'Alene Regional Office will contact you regarding this meeting. DEQ 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 Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255, within 35 days of the date of this decision. However, DEQ encourages you to contact the State 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, contact Bill Rogers at (208) 373-0502.

Sincerely,

Robert Wilkosz for:

Martin Bauer, Administrator
Air Quality Division

MB/BR/bf Permit No. P-050124

Enclosures

G:\Air Quality\Stationary Source\Ss Ltd\Ptc\Norm's Utility\P-050124\Norm's Utility P-050124 Final Ltr.Doc

c: Dan Redline, Coeur d'Alene Regional Office
Bill Rogers, Permit Coordinator
Carole Zundel, Permit Writer
Joan Lechtenberg, Public Comment
Laurie Kral, Region 10 EPA
Pat Rayne, AFS
Marilyn Seymore, PB
Source File
Reading File (Ltr Only)

Air Quality **PERMIT TO CONSTRUCT** **State of Idaho** **Department of Environmental Quality**	**PERMIT No.:** P-050124 **FACILITY ID No.:** 777-00371 **AQCR:** Portable **CLASS:** SM **SIC:** 3273 **ZONE:** Portable **UTM COORDINATE (km):** Portable

1. PERMITTEE
Norm's Utility Contractor, Inc.

2. PROJECT
Initial Permit to Construct

3. MAILING ADDRESS 8976 W. Wyoming Ave.	**CITY** Rathdrum	**STATE** ID	**ZIP** 83858
4. FACILITY CONTACT Tom Mattix	**TITLE** Site manager	**TELEPHONE** (208) 661-5076	
5. RESPONSIBLE OFFICIAL Tom Mattix	**TITLE** Site manager	**TELEPHONE** (208) 661-5076	
6. EXACT PLANT LOCATION Portable		**COUNTY** Varies	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS
Concrete manufacturing

8. GENERAL CONDITIONS

This permit is issued according to IDAPA 58.01.01.200, *Rules for the Control of Air Pollution in Idaho*, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified 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 Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume 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 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 DEQ approval pursuant to the *Rules for the Control of Air Pollution in Idaho,* IDAPA 58.01.01.200, et seq.

TONI HARDESTY, DIRECTOR
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: March 8, 2006

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Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AQCR	Air Quality Control Region
DEQ	Department of Environmental Quality
hr/day	hours per day
hr/yr	hours per any consecutive 12-month period
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
kW	kilowatts
lb/day	pounds per day
lb/hr	pounds per hour
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
Rules	Rules for the Control of Air Pollution in Idaho
SIC	Standard Industrial Classification
UTM	Universal Transverse Mercator

1. PERMIT TO CONSTRUCT SCOPE

Purpose

This permit allows for the construction of a portable concrete batch plant. This permit is the facility's initial permit to construct (PTC). This PTC does not replace any other permit.

Regulated Sources

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

Table 1.1 REGULATED EMISSIONS SOURCES

Permit Section	Source Description	Emissions Control(s)
2	Portable ready-mix plant Manufacturer: Con-E-Co Model: Lo Pro-12 Max. hourly throughput: 300 cubic yards per hour	Four Baghouses Silo baghouses No. 1 and No. 2 Manufacturer: Con-E-Co Model No.: 14-23 Two batcher vent baghouses (truck mix and central mix) Manufacturer: Con-E-Co Model No.: PS-980
2	Emergency generator Manufacturer: Caterpillar Model: 3406 Rated heat input capacity: 320 kW Fuel type: No. 2 fuel oil	None

2. CONCRETE BATCH PLANT

2.1 Process Description

Norm's Utility Contractor, Inc. operates a portable ready-mix concrete plant. Aggregate, sand, and coarse material are transferred by conveyor from bins to a truck for in-transit mixing or a central mix drum for mixing onsite. Cement and flyash are also measured and mixed in a batcher that has a dust collector. From the batcher, the cement/flyash mixture is added to the aggregate at the truck/drum loading location. The cement and flyash silos are equipped with dust collectors.

A baghouse is located at the loading transfer point to capture particulate matter emitted during the loading process. The ready-mix plant consists of an aggregate storage bin, batcher, silos, and conveyors, all supplied as one portable unit. Electric power is supplied to the ready-mix plant from the local power grid. Emergency back-up power is provided by a Caterpillar generator operating on No. 2 diesel fuel.

2.2 Emissions Control Description

Table 2.1 CEMENT STORAGE SILO DESCRIPTION

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
Concrete batch plant Manufacturer: Con-E-Co Model: Lo Pro-12 Max. hourly throughput: 300 cubic yards per hour	Four Baghouses Silo baghouses No. 1 and No. 2 Two batcher vent baghouses (truck mix and central mix)	Silo Baghouse No. 1 Model No. 14-23 Stack ht.: 13.8 m Diameter: 0.28 m Velocity: 0.001 m/s Temp.: 293 K Silo Baghouse No. 2 Model No. 14-23 Stack ht.: 17.1 m Diameter: 0.28 m Velocity: 0.001 m/s Temp.: 293 K Two Batcher Vent Baghouses (truck mix and central mix) Model No. PJ-980 Stack ht.: 4.9 m Diameter: 0.2 m Velocity: 0.001 m/s Temp.: 293 K Model No. PJ-980 Stack ht.: 11.7 m Diameter: 0.52 m Velocity: 0.001 m/s Temp.: 293 K

Emissions Limits

2.3 Emissions Limits

The PM_{10} emissions from the concrete batch plant, including PM_{10} emissions from the electrical generator, shall not exceed 31.3 lb/day.

2.4 Visible Emissions Limits

2.4.1 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.

2.4.2 Transfer Point Emissions Limit

Emissions from any transfer point, belt conveyors, or from any other affected source shall not exhibit greater than 10% opacity. Opacity shall be determined by the test methods and procedures contained in IDAPA 58.01.01.625.04.

2.4.3 Fugitive Emissions at the Property Boundary

Visible fugitive emissions shall not be observed leaving the property boundaries exceeding a period or periods aggregating more than one minute in any 60-minute period. This visual determination is to be conducted using Method 22, 40 CFR 60, Appendix A.

Operating Requirements

2.5 Hours of Operation

The concrete batch plant, including the electrical generator, shall not operate for more than 10 hours per day.

2.6 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.

2.7 Operations and Maintenance Manual Requirements

Within 60 days after startup, the permittee shall have developed an O&M manual for the air pollution control devices describing the procedures that shall be followed to comply with General Provision No. 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.

2.8 Fugitive Emissions from Haul Roads, Traffic Areas, and Stockpiles

Fugitive PM emissions from traffic or haul roads, traffic areas, and aggregate stockpiles shall be reasonably controlled as required by IDAPA 58.01.01.650 and IDAPA 58.01.01.651. This shall include, but is not limited to, applications of water or environmentally safe chemical dust suppressants.

2.9 Pressure Drop Across Air Pollution Control Devices

The pressure drop across the air pollution control devices 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.

Monitoring and Recordkeeping Requirements

2.10 Visible Emission Inspection

The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

2.11 Operating Parameters

The following operating parameters shall be monitored and recorded when operating. The records of this required information shall be kept onsite for the most recent two-year period and shall be made available to DEQ representatives upon request.

- Pressure drop reading across the air pollution control devices once per week
- Daily hours of operation of the concrete batch plant
- Daily hours of operation of the generator

2.12 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 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.

Nonattainment Area Requirements

The permittee shall comply with the following permit conditions when the concrete batch plant is operated in any PM_{10} nonattainment area within the state of Idaho.

2.13 PM_{10} Nonattainment Area Operations

The permittee shall not operate the concrete batch plant in any PM_{10} nonattainment area under this permit. Norm's Utility Contractor, Inc. shall submit an air quality permit to construct application which requests the ability to locate and operate the concrete batch plant within a PM_{10} nonattainment area. As of the date of this permit, the PM_{10} nonattainment areas in north Idaho include the Sandpoint area and the Pinehurst area. Contact DEQ for more specific details about the nonattainment area boundaries.

Reporting Requirements

2.14 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

3. 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.

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.