

**MISSOULA CITY-COUNTY AIR QUALITY PERMIT APPLICATION  
FOR INDUSTRIAL SOURCES IN MISSOULA COUNTY**

9/22/2011

Permits are required for all gravel crushers, asphalt plants, concrete batch plants, and incinerators regardless of size. Also, all other sources that potentially emit  $\geq 25$  tons of any pollutant (or  $\geq 0.6$  tons for lead) per year are required to get an Air Quality Permit.

Application is complete when Missoula City-County Health Department (MCCHD), 301 W. Alder, Missoula, MT 59802-4123 has received:

1. requested information and signature (see pages 2, 3 and 4, use additional paper as needed).
2. fee payable to MCCHD, (most sources pay \$925.00, see page 5).
3. a valid Zoning Compliance Permit.
4. Proof of Public Notice in paper of general circulation in area affected (see below).
5. **Incinerators/Crematoriums contact MCCHD for additional requirements.**

The notice below **must be published no earlier than 10 days prior to the date your application** will be submitted to the Department, **or no later than 10 days following the date of submittal**. The notice must be published for **one day** in the legal notice section of a newspaper in general circulation in the area affected. **Submit a copy of the published notice or proof of publication** to the Department with the application, if possible, or as soon thereafter as possible. This notice is required by the Missoula City-County Air Pollution Control Program.

Public Notice Format in Box Below

PUBLIC NOTICE

Notice of Application for Air Quality Permit pursuant to the Missoula City-County Air Pollution Control Program.

\_\_\_\_\_ (Name of Applicant and Address) (has filed/will file) on  
or about \_\_\_\_\_ (date) an application for an air quality permit from the  
Environmental Health Division of the Missoula City-County Health Department. The applicant  
seeks approval for operation of \_\_\_\_\_ (brief description of  
construction, modification, or project for which permit is being applied for) at \_\_\_\_\_  
\_\_\_\_\_ (Address and Section, Township, &  
Range).

Any member of the public who wishes to review the application, obtain a copy of the application, or who wishes to submit comments should contact the Department at 301 W. Alder, Missoula, MT 59802-4123 or phone 258-4755 prior to \_\_\_\_\_ (30 days from date Notice is published).

The Health Department will make a preliminary determination on whether a permit will be issued and provide notice to the public for comment on the determination. The notification will contain the date when the Department intends to make a final decision. The address and phone number at which interested persons may obtain further information or obtain a copy of the proposed permit will also be included with the preliminary determination.

GENERAL INSTRUCTIONS: With each application for authority to construct, the following data, specifications, plans and drawings must be submitted.

1. EQUIPMENT LOCATION AND SKETCH: The sketch submitted must show at least the following:
  - a. The plant site involved and outlines of buildings and equipment on it. Identify property lines plainly with **property dimensions such as length and height in meters**. Locate site by quarter **Section, Township, and Range** and include on a copy of a topographical map. Also include **longitude and latitude**.
  - b. Process Flow Diagrams with all major pieces of equipment noted.
  - c. Location of the plant site with respect to adjacent properties. Identify use of adjacent properties. Show location of buildings outside the plant site that are within one mile of the equipment involved in the application. Identify all such buildings as occupied or vacant, show outlines of city limits, if applicable. Also indicate "North" on the drawing.
2. DESCRIPTION OF EQUIPMENT: State the make, model, type, serial number and year of manufacture for either the entire unit or for its major components, list the number of screens and transfer points. List generators; include kilowatt output or gallons/hour used.
3. NORMAL & MAXIMUM PROCESS RATE: State average and maximum quantities of gravel, plant mix or concrete to be produced on the job in tons per hour. State approximate miles traveled on the plant site for loaders and haul trucks.
4. OPERATING SCHEDULE: Specify the hours per day, time of day and days per week the equipment will operate. State the estimated time for the job or if the equipment will be operated at the site on an annual basis.
5. FUELS USED IN HOT PLANT BURNERS:
  - a. Gas type - Cubic feet per hour (cu ft/hr) used.
  - b. Fuel oil type - Grade used and gallons per hour, specify temperature to which oil is preheated.
  - c. Solid fuel type - Type used and pounds per hour burned.
6. AIR POLLUTION CONTROL EQUIPMENT: Give a brief description of type and efficiency of control equipment, such as:
  - a. high efficiency dry cyclone - 98% efficient
  - b. medium efficiency dry cyclone - 70% efficient
  - c. wet scrubber preceded by dry cyclones - 98% efficient, etc.
  - d. spray bars on conveyors and crushers
  - e. other, as may apply

**MISSOULA COUNTY INDUSTRIAL SOURCE PERMIT APPLICATION**  
**SECTION I: General Plant Information**

NAME: \_\_\_\_\_  
(Circle One)    INDIVIDUAL    CORPORATION    PARTNERSHIP    GOVERNMENT

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_ Zip \_\_\_\_\_

TELEPHONE NUMBER: ( \_\_\_\_\_ ) \_\_\_\_\_

SUBMITTED BY (principle executive officer or authorized representative responsible for overall operation of the source): \_\_\_\_\_ DATE: \_\_\_\_\_  
(Name and Title)

SIGNATURE: \_\_\_\_\_

1. EQUIPMENT LOCATION:  
Legal Address or other specific location: \_\_\_\_\_  
\_\_\_\_ ¼ of Section \_\_\_\_\_ Township \_\_\_\_ North, Range \_\_\_\_\_ West  
Longitude \_\_\_\_\_ Latitude \_\_\_\_\_  
Property Dimensions \_\_\_\_\_ meters

2. APPROXIMATE VEHICLE MILES PER DAY:  
Haul Trucks: \_\_\_\_\_ VMT/DAY  
Loaders: \_\_\_\_\_ VMT/DAY

3. NORMAL & MAXIMUM PLANT PROCESS/PRODUCTION RATE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. OPERATING SCHEDULE: \_\_\_\_\_  
\_\_\_\_\_  
Starting Date: \_\_\_\_\_ Estimated Completion Date: \_\_\_\_\_

5. AIR POLLUTION CONTROL METHODS (fugitive and point sources of pollution): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. PLANS AND SPECIFICATIONS: The application for a Construction Permit shall be accompanied by plans and specifications of all emissions sources and control equipment. Attach process flow diagram.

**MISSOULA COUNTY INDUSTRIAL SOURCE PERMIT APPLICATION**

**SECTION II: Electrical Generator or Stationary Engine Information**

To show compliance with the 2010 national ambient air quality standard for NO<sub>x</sub>, the following additional **electrical generator or stationary engine** information must be supplied with the permit application. This information will be used to model potential NO<sub>x</sub> levels at the property boundary. Based on the modeling results, stack heights may need to be raised.

**For each generator, supply the following information.**

Type of Equipment: ELECTICAL GENERATOR or STATIONARY ENGINE

Make and Model: \_\_\_\_\_

Year of Manufacture: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Maximum kW output: \_\_\_\_\_

Horsepower: \_\_\_\_\_ hp

Type of Fuel Used: \_\_\_\_\_

Maximum Fuel Use: \_\_\_\_\_

Air Pollution Control Equipment (circle one): Manufacturer Installed or Other (explain other)

Stack Height from Ground: \_\_\_\_\_ feet

Generator Inside Stack Diameter: \_\_\_\_\_ inches

\*Maximum NO<sub>x</sub> emission rate: \_\_\_\_\_ lbs/hr

\*For Max NO<sub>x</sub>, give corresponding Stack Exit Velocity: \_\_\_\_\_ actual cubic feet per minute (acfm)

\*For Max NO<sub>x</sub>, give corresponding Stack Exit Temperature: \_\_\_\_\_ °F

**Required Site Information:**

Site Elevation: \_\_\_\_\_

Depth of Pit: \_\_\_\_\_

Size and shape of parcel where operation will occur. For instance, a parcel could be 90 meters by 155 meters. Pictures/drawings with dimensions accepted.

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**SECTION III: Equipment Information**

**Individual Equipment Information (i.e. baghouses, gravel crushers, screens, asphalt plant, asphalt heaters, incinerators, etc.)**

For each piece of equipment, supply the following information. Hot plants must specify type(s) of fuel used in burner. Put NA when not applicable.

Type of Equipment: \_\_\_\_\_

Make and Model: \_\_\_\_\_

Year of Manufacture: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Stack Height: \_\_\_\_\_ feet

Maximum Process Rate (tons produced, horsepower etc.): \_\_\_\_\_

Type of Fuel Used: \_\_\_\_\_

Maximum Fuel Use: \_\_\_\_\_

Air Pollution Control Equipment: \_\_\_\_\_  
\_\_\_\_\_

**Fees:**

Construction permits for new sources require a fee of \$925.00 payable to the Missoula City-County Health Department in order for applications to be complete. An annual permit fee of \$610.00 is required for most permit renewals. A \$210.00 renewal fee is charged for crematoriums and incinerators. Additional permit information is required in applications for incinerators; please contact the Department for the specific incinerator requirements.

**Renewals:**

Operating permits are issued on an annual basis and shall expire at the end of December each year. **To renew an annual operating permit, submit a renewal letter to the Health Department in December.** Construction permits shall expire 18 months from the date of issuance if the construction, installation, or alteration is not completed within that time. If an existing source is not renewed, used or operated for a period of 365 days, the permit for that source shall lapse and become void. In the renewal letter state any equipment changes and include the production quantities for the previous permitted year.

**Rule 6.105 MCCACP – AIR QUALITY PERMIT APPLICATION REQUIREMENTS**

The application for a construction permit must include the following:

- (a) A map and diagram showing the location of the proposed new or altered source and each stack associated with the source, the property involved, the height and outline of the buildings associated with the new or altered source, and the height and outline of each stack associated with the new or altered source;
- (b) A description of the new or altered source including data on maximum design production capacity, raw materials and major equipment components;
- (c) A description of the control equipment to be installed;
- (d) A description of the composition, volume and temperatures of the effluent stream, including the nature and extent of air contaminants emitted, quantities and means of disposal of collected contaminants, and the air quality relationship of these factors to conditions created by existing sources or stacks associated with the new or altered source or stack;
- (e) Normal and maximum operating schedules;
- (f) Adequate drawings, blueprints, specifications or other information to show the design and operation of the equipment involved;
- (g) Process flow diagrams containing material balances;
- (h) A detailed schedule of construction or alteration of the source or stack;
- (i) A description of the shakedown procedures and time frames that will be used at the source or stack;
- (j) Other information requested by the department which is necessary to review the application and determine whether the new or altered source will comply with applicable provisions of this Program; including but not limited to information concerning compliance with environmental requirements at other facilities.
- (k) Documentation showing the city or county zoning office was notified in writing by the applicant that the proposed use requires an air contamination permit;
- (l) A valid city or county zoning compliance permit for the proposed use (phone (406)258-4657;

## **Missoula City-County Health Department Responsibilities**

1. Make sure application is complete and checks that applicant has demonstrated the ability to meet all conditions of the permit.
2. Make preliminary determination as to whether the air quality permit should be issued or denied within 40 days of receipt of a completed application.
3. The department must notify the public of its preliminary determination by means of a legal publication in a newspaper of general circulation in the area. The public must be given at least 15 days to comment on the application.
4. The department must notify the applicant of its final decision within 60 days after receipt of the completed application. If the department's final decision is to issue the air quality permit, the department may not issue the permit until 15 days have elapsed since the final decision **or** until the administrative review process has been completed if a request for an administrative review has been received. A request for an administrative review by any party postpones the effective date of the department's decision until the conclusion of the administrative appeals process.
5. The source may not commence operation until all public comment periods or administrative reviews have been completed.