

APPLICATION FOR APPROVAL TO CONSTRUCT A GEOTHERMAL HEATING/COOLING EXCHANGE WELL

Mail form and payment to:
Office of the Engineer

PO Box 37
Ronan, MT 59864

For questions contact: contact@frwmb.org or (406) 201-2532

Approval from the Office of the Engineer must be received before drilling the well(s) or developing any spring(s).

REQUIREMENTS FOR GEOTHERMAL HEATING OR COOLING WELLS:

Maximum Appropriation: 350 gallons per minute

Source: Groundwater, meaning any water located beneath the surface of the earth.

All water extracted must be returned to the same source aquifer without delay.

The nearest existing well and any hydraulically connected surface waters must be more than twice the distance away from the extraction well as the distance between the extraction and injection wells.

Upon completion of the well or developed spring, an appropriator must submit form 646F-Part B within 120 days of putting the water to use.

FILING FEE: \$250.00 *Make checks payable to FRWMB*****

OFFICE of the ENGINEER USE ONLY

Water Right # _____ Basin _____
Date Rec'd _____
Time _____ AM / PM
Rec'd By _____
Payor _____
Amount Rec'd _____ Check # _____
Refund \$ _____ Date _____
Deficiency Letter Sent _____

1. ELIGIBILITY VERIFICATION

- a. Is the proposed appropriation located outside the boundaries of a controlled groundwater area? Yes No
- b. Is the proposed appropriation located outside the boundaries of a controlled groundwater area? Yes No
- c. Is the proposed appropriation located outside the boundaries of a controlled groundwater area? Yes No
- d. Is the distance between the proposed extraction well and both the nearest existing well and any hydraulically connected surface water source more than twice the distance between the proposed extraction and proposed injection well? Yes No

***The answer to all questions must be "yes" to be eligible to file this form.
If any answer above is no, contact the Office of the Engineer.***

2. WATER RIGHT OWNER INFORMATION

Name(s) _____

Mailing Address _____

City _____ State _____ Zip _____

Cell/Home Phone _____ Email Address _____

3. WATER SUPPLY DESCRIPTION

Please describe your proposed appropriation works (including anticipated Well Shaft Casing Description).

4. PERIOD OF USE

Year-round use? Yes No If no, from _____ to _____, inclusive each year.

5. EXTRACTION WELL LOCATION

____ 1/4 ____ 1/4 ____ 1/4 Section ____ Twp ____ N / S Rge ____ E /W County _____

Lot _____ Block _____ Tract No. _____ Subdivision Name _____

Government Lot No. _____ Street Address (including City, State & Zip) _____

6. INJECTION WELL LOCATION

____ 1/4 ____ 1/4 ____ 1/4 Section ____ Twp ____ N / S Rge ____ E /W County _____

Lot _____ Block _____ Tract No. _____ Subdivision Name _____

Government Lot No. _____ Street Address (including City, State & Zip) _____

7. DISTANCE FROM POINT OF EXTRACTION TO POINT OF INJECTION _____ feet

8. DISTANCE FROM POINT OF EXTRACTION TO BOTH NEAREST EXISTING WELL AND HYDRAULICALLY CONNECTED SURFACE WATER

Distance to nearest well _____ feet Distance to hydraulically connected surface water source _____ feet

9. PLACE OF USE

Geocode of the place of use (17 digits) _____

Geocodes can be found in county records, tax statements, or at <http://svc.mt.gov/msl/mtcadastral/>.

If there are multiple places of use, list the geocode for each parcel on an attached sheet.

Is the place that the water is used the same as the point of diversion? Yes No

10. MAP

Please include the following items:

- Property Boundaries with ownership information
- Township, Range, and Section
- All wells within a 500-foot radius of the proposed well(s) or spring(s)
- Sewage facilities including septic tanks and drain fields
- Buildings on the site
- Well connections including conveyance, water right points of diversions, and surface water feature

11. DECLARATION

I declare under penalty and perjury that the statements appearing here are, to the best of my knowledge, true and correct and affirm that I have possessory interest, or the written consent of the person with the possessory interest, in the point of diversion, place of use, and conveyance.

Authorized Signature _____ Date _____

_____ Date _____

INSTRUCTIONS

GEOTHERMAL HEATING / COOLING

APPLICATION FOR AUTHORIZATION

There are special federal requirements regarding injection wells and water quality. Filing requirements may apply to your development. Please visit <http://water.epa.gov/type/groundwater/uic/class5/> for more information regarding the Class V well inventory process.

To use this form, the following must apply to your proposed water use.

- The source is groundwater, meaning any water located beneath the surface of the earth.
- The water is diverted from the ground via a well or developed spring.
- The flow rate used is 350 gallons per minute or less. This is the rate you are taking water from the source. If the water use exceeds that amount, you cannot file for this proposed use using this form.
- If the flow rate used is less than 35 gallons per minute and the volume used by the system is less than 10 acre-feet per year

Complete this form ONLY if you have determined this is the correct form to file.

1. Eligibility Verification

If you answer no to any of these questions you cannot file this form.

2. Water Right Owner Information

Enter the complete name of the person(s) to be listed as the water right owner(s), their mailing address, and a phone and email address. Applicants should match the title on the property.

3. Proposed Source of Water Supply

Provide a description of proposed developments including the proposed casing details.

4. Period of Use

Enter the proposed period of use.

5. Extraction Well Location

Latitude and Longitude must be entered. Enter the land description for the location of extraction. Describe the location to the nearest 10 acres if possible.

Legal land descriptions, subdivisions, geocodes, and certificate of survey information may be obtained from the county records, tax statements, or from the Montana Cadastral system at:

<http://svc.mt.gov/msl/mtcadastral/>

Certificate of Survey - In addition to the land description, enter the survey number.

Subdivisions – In addition to the above description, enter the lot and block or tract number, subdivision name.

Government Lots – In addition to the land description, enter the government lot number.

Street or Road Address – Enter the physical address of the development including city, state, and zip code.

6. Injection Well Location

Follow the instructions for Extraction Well Location

7. Distance from Point of Diversion to Point of Injection

Enter distance (in feet) between point of extraction and point of injection.

8. Distance from Point of Extraction to both Nearest Existing Well and Hydraulically Connected Surface Water

Enter distance (in feet) from the extraction well to both the nearest existing well and nearest hydraulically connected surface water source.

9. Place of Use

Enter the land description for where the water is used. The geocode of the place of use must be provided.

Follow the instructions listed above for extraction well location if the place of use is different than the extraction and injection well locations.

10. Map

A map is required. Include all information required on the form.

11. Declaration

You must sign the form and attest that the statements on the form are true and correct.