

Well Management Section  
625 North Robert Street  
P.O. Box 64975  
St. Paul, Minnesota 55164-0975  
651-201-4600 or 800-383-9808  
health.wells@state.mn.us  
www.health.state.mn.us/wells



## Limited Bored Geothermal Heat Exchanger Contractor Qualification Application

Constructing, repairing, and sealing bored geothermal heat exchangers (BGHE) in the state of Minnesota requires a license from the Minnesota Department of Health (MDH).

The licensing process consists of three major steps:

1. Submitting a qualification application,
2. Passing a written examination, and
3. Submitting a license application and a certified representative application.

Carefully complete the enclosed qualification application and supplement. Arrange to have the reference letters completed and returned to MDH Well Management Section. Mail the application to the address listed at the top of the application, along with a check made payable to MDH for the nonrefundable application fee. An incomplete application or an improperly completed application will be returned to you and may cause a delay in the licensing process.

You will be notified by mail if you are eligible to schedule the written examination. Study materials to aid you in preparing for the written examination will be sent to you with information to schedule the written examination. It is recommended that you read these materials carefully. You must pass the written examination within one year of being notified. If you are not eligible to schedule the written examination, you will be contacted by phone to discuss the reasons your application was not accepted.

Upon passing the written examination, MDH will send you the *Certified Representative Original Application* and *Company Original License Application* forms. You must complete the licensing process within one year of passing the written examination. You must submit the completed applications, pay the nonrefundable license fee, pay the fee to register drilling machines and hoists, and provide evidence of a corporate surety bond to complete the licensing process. A bond of \$10,000 is required for applicants for a BGHE license. This license bond is required in addition to any other bonds that the licensee may hold (such as a bond for a plumbing business). Individuals licensed in multiple limited well and boring contractor categories will need only one bond.

Each certified representative of a licensee will also have to obtain two contact hours of continuing education from an MDH-provided or MDH-sponsored program, beginning in the first full year of certification.

(Over)

**LIMITED BORED GEOTHERMAL HEAT EXCHANGER CONTRACTOR  
QUALIFICATION APPLICATION**

## **Certified Representative Experience Requirements**

According to Minnesota Rules, part 4725.0650, subpart 7a, an applicant certifying as a representative for a limited well/boring license to construct, repair, or seal BGHEs has two experience options.

The first option is to have three years of experience related to the construction, repairing, and sealing of BGHEs. A year of experience is a year in which the applicant:

1. Constructed at least three permitted BGHE systems,
2. Constructed at least 2,000 feet of BGHE bore hole, and
3. Worked at least 500 hours designing, constructing, or field supervising the construction, repair, or sealing of BGHEs.

The experience must have been obtained under the supervision of a licensed well contractor or licensed BGHE contractor, unless the experience was obtained during directionally drilling BGHE systems that were not regulated by MDH at the time of construction. Experience on unregulated systems counts towards an applicant's experience, whether the experience was obtained under the supervision of a licensed well contractor or licensed BGHE contractor.

The second option is to have three years of experience related to construction, repairing, and sealing of water-supply wells; and be accredited by the International Ground Source Heat Pump Association or certified by the National Ground Water Association as a ground source heat pump driller or installer, or equivalent. A year of experience is a year in which the applicant:

1. Constructed at least ten water-supply wells, and
2. Worked at least 1,000 hours constructing, repairing, or sealing wells.

The experience must have been obtained under the supervision of a licensed well contractor.

To obtain this information in a different format call 651-201-4600.  
License\Qualifications\Letter BGHE 03/26/2021R

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## Limited Bored Geothermal Heat Exchanger Contractor Qualification Application Supplement

### License/Registered Information

Is the applicant licensed or registered to construct bored geothermal heat exchangers (BGHEs) or do well contracting work in other states? ☐ Yes ☐ No

If yes, list state(s), the regulating state agency name (e.g., Wisconsin DNR), and license or registration number.

State	Regulating State Agency	License or Registration Number

### Experience and Certification

Eligible experience for GBHE representative work includes construction, repair, or sealing of BGHEs or water-supply wells.

#### If you are using your experience constructing BGHEs:

Month and year you started constructing, repairing, or sealing BGHEs. \_\_\_\_\_

Percent of your work time spent constructing, repairing, or sealing BGHEs. \_\_\_\_\_

Estimate the total number of BGHE systems you have personally constructed, repaired, or sealed. \_\_\_\_\_

Estimate the total loop footage you have personally constructed, repaired, or sealed. \_\_\_\_\_

#### If you are using your experience constructing water-supply wells:

Month and year you started constructing, repairing, or sealing water-supply wells. \_\_\_\_\_

Percent of your work time spent constructing, repairing, or sealing water-supply wells. \_\_\_\_\_

Estimate the total number of water-supply wells you have personally constructed, repaired, or sealed. \_\_\_\_\_

Are you accredited by the International Ground Source Heat Pump Association or certified by the National Ground Water Association? ☐ Yes ☐ No

If yes, please provide your accreditation/certification number \_\_\_\_\_

and date of accreditation/certification. \_\_\_\_\_

**Experience** (continued)

In accordance with Minnesota Rules, part 4725.0650, subpart 7a, an applicant to be a representative for limited bored geothermal heat exchanger contractor licensed to construct, repair, and seal bored geothermal heat exchangers must have three years of experience related to the construction, repair and sealing of bored geothermal heat exchangers or water-supply wells. If the experience is related to construction, repair, and sealing of water-supply wells, the applicant must also be accredited by the International Ground Source Heat Pump Association or certified by the National Ground Water Association as a ground source heat pump installer or have equivalent certification.

**Provide the information requested for each calendar year of experience.** If you are using your experience as a bored geothermal heat exchanger contractor, list three permitted systems installed by you for each of three years. If you are using your experience as a well contractor, list ten water-supply wells for each of three years.

If the experience was gained in another state, or prior to the existence of the 1974 Minnesota Well Code, attach additional sheets listing the following information or submit records from the state of jurisdiction for each bored geothermal heat exchanger system constructed or for each water-supply well constructed: name, address, city, state, ZIP code, construction method, grouting method, depth, and date constructed.

**Bored Geothermal Heat Exchangers or Water-Supply Wells for the Year 20\_\_\_\_\_**

Well/Boring No.	MN Unique Well No.	BGHE No.	Supervising Well Contractor License No.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

LIMITED BGHE CONTRACTOR QUALIFICATION APPLICATION SUPPLEMENT

Bored Geothermal Heat Exchangers or Water-Supply Wells for the Year 20\_\_\_\_\_

Well/Boring No.	MN Unique Well No.	BGHE No.	Supervising Well Contractor License No.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Bored Geothermal Heat Exchangers or Water-Supply Wells for the Year 20\_\_\_\_\_

Well/Boring No.	MN Unique Well No.	BGHE No.	Supervising Well Contractor License No.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

## References

Provide the names and addresses of three individuals the applicant has previously been employed by, or the names and addresses of three individuals with knowledge of the applicant's experience relating to the construction, repair, and sealing of bored geothermal heat exchangers or wells. It is desirable (but not required) that one of your three references be a licensed individual who is familiar with your work.

### Reference Number 1

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Name	Email Address
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Address
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City	State	ZIP Code	Telephone Number
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### Reference Number 2

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Name	Email Address
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Address
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City	State	ZIP Code	Telephone Number
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### Reference Number 3

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Name	Email Address
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Address
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City	State	ZIP Code	Telephone Number
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Arrange for the three attached reference letters to be sent to the Minnesota Department of Health by those listed above. All three letters must be received before your application is reviewed.



## Reference Letter — Limited Bored Geothermal Heat Exchanger Contractor

To \_\_\_\_\_ Name of Applicant \_\_\_\_\_

The individual above has made application to the Minnesota Department of Health (MDH) to qualify for a limited well/boring contractor license to construct, repair, and seal bored geothermal heat exchangers. The applicant has listed your name as an individual familiar with the applicant's work and character. Answers to the following questions are important on behalf of the applicant. Answer all questions to the best of your ability. **Type or print in ink and return this questionnaire promptly to the address listed above.** Providing false information about the applicant may result in enforcement actions being taken against you.

1. Did the applicant personally construct, repair, or seal bored geothermal heat exchangers for you or your company? ..... ☐ Yes ☐ No
2. Was the work satisfactory? ..... ☐ Yes ☐ No
3. In your judgment, is the applicant qualified to be licensed for the above activities (please explain below)? ..... ☐ Yes ☐ No
4. Has the applicant been employed by you for work constructing, repairing, or sealing bored geothermal heat exchangers? ..... ☐ Yes ☐ No
5. If you answered yes to Number 4, how long was the applicant employed by you? ..... \_\_\_\_ Years \_\_\_\_ Months
6. Do you hold a current well contractor license or a limited bored geothermal heat exchanger contractor license from MDH? ..... ☐ Yes ☐ No
7. May we contact you by phone? ☐ Yes ☐ No Telephone Number \_\_\_\_\_  
 (include area code)

### Signature

\_\_\_\_\_  
 Print Name Signature Date

### Remarks

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Attach additional sheet if necessary.



## Reference Letter — Limited Bored Geothermal Heat Exchanger Contractor

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2. Was the work satisfactory? ..... ☐ Yes ☐ No
3. In your judgment, is the applicant qualified to be licensed for the above activities (please explain below)? ..... ☐ Yes ☐ No
4. Has the applicant been employed by you for work constructing, repairing, or sealing bored geothermal heat exchangers? ..... ☐ Yes ☐ No
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6. Do you hold a current well contractor license or a limited bored geothermal heat exchanger contractor license from MDH? ..... ☐ Yes ☐ No
7. May we contact you by phone? ☐ Yes ☐ No Telephone Number \_\_\_\_\_  
(include area code)

### Signature

Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

### Remarks

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Attach additional sheet if necessary.





## Reference Letter — Limited Bored Geothermal Heat Exchanger Contractor

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2. Was the work satisfactory? ..... ☐ Yes ☐ No
3. In your judgment, is the applicant qualified to be licensed for the above activities (please explain below)? ..... ☐ Yes ☐ No
4. Has the applicant been employed by you for work constructing, repairing, or sealing bored geothermal heat exchangers? ..... ☐ Yes ☐ No
5. If you answered yes to Number 4, how long was the applicant employed by you? ..... \_\_\_\_ Years \_\_\_\_ Months
6. Do you hold a current well contractor license or a limited bored geothermal heat exchanger contractor license from MDH? ..... ☐ Yes ☐ No
7. May we contact you by phone? ☐ Yes ☐ No Telephone Number \_\_\_\_\_  
(include area code)

### Signature

\_\_\_\_\_  
Print Name Signature Date

### Remarks

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attach additional sheet if necessary.

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## Credit Card Payment Information

Minnesota Unique Well No.: \_\_\_\_\_

Minnesota Well and Boring Sealing No.: **H** \_\_\_\_\_

Please complete and return this form if fee(s) payment is by credit card.

**Note:** If the *notification form* already has the preprinted credit card information box **DO NOT** use this form.

### Fee Type

- ☐ Bored Geothermal Heat Exchanger Construction Permit
- ☐ Groundwater Thermal Exchange Permit
- ☐ Elevator Boring Permit
- ☐ Environmental Well Construction Notification
- ☐ Exploratory Boring Notification
- ☐ License and/or Rig Registration
- ☐ Maintenance Permit
- ☐ Variance
- ☐ Well Construction Notification
- ☐ Well Sealing Notification

### Credit Card Information

Credit Card Type: ☐ Visa ☐ MasterCard ☐ Discover      Expiration Date: \_\_\_\_\_

Total Amount to be Charged: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Credit Card Number: \_\_\_\_\_

3-Digit Security Code (Printed on backside of card.): \_\_\_\_\_

I understand Minnesota Department of Health's Tennesen Warning for credit card use is available by calling 651-201-4600 or on Well Management Section's website at:

Tennesen Warning ([www.health.state.mn.us/communities/environment/water/wells/tw.html](http://www.health.state.mn.us/communities/environment/water/wells/tw.html)).

Authorized Signature: \_\_\_\_\_