

This form is used to declare work experience for periods of employment and must be completed by a **direct supervisor of the applicant**, who will be contacted by SkilledTradesBC.

Note: An Employer Declaration of Work Experience form must be completed for each period of employment.

This form is not to be used for periods of self-employment. For more information, see Instructions for Certification Challenge.

‘Geoexchange drillers’ set up and operate mobile equipment used to drill vertical closed-loop borehole heat exchangers to provide a heat source/sink for geoexchange heating and cooling systems. These systems may be developed for residential, commercial, and industrial applications. Geoexchange drillers must have familiarity with the geological formations in the area they are working to enable selection of the most appropriate type of drilling technology. They must have knowledge related to borehole heat exchange principles and have an awareness of the advantages and drawbacks of different borehole completion designs. Geoexchange drillers must have knowledge of hydrogeological principles and be knowledgeable and skilled in practices important for protecting groundwater aquifers.

To qualify to challenge certification in this trade, individuals must have:

- worked a minimum of **4,860 hours** performing the tasks listed in Section D, and
- experience performing at least **70%** of the job tasks listed in Section D.

Holders of a **Certificate of Qualification in Water Well Driller or Geotechnical/Environmental Driller** will be eligible to challenge this certification by documenting **960 hours** of directly related work experience.

Holders of a **Certificate of Qualification in Well Pump Installer** will be eligible to challenge this certification by documenting **3,650 hours** of directly related work experience.

A. Applicant Name

Enter the name of the individual for whom this form is being completed.

Legal First Name:	Legal Middle Name(s):	Legal Last Name:
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B. Employment Information of Applicant

Enter the business information for the applicant’s period of employment declared for this trade.

Name of Organization/Employer/Business:		
Business Address (Street Name/Number, Building/Unit Number):		City:
Province/ State:	Country:	Postal Code/ Zip Code:
Business Phone Number: ()	Website:	

Enter the dates and number of hours for this period of employment.

Dates of Applicant’s Employment (MM/DD/YYYY): From: To:		Total Number Hours of Geoexchange Driller Experience Accumulated in Period:
Job Title of Applicant:		

C. Supervisor Contact Information

Enter the name and contact information for the person who directly supervised the applicant during this employment period. Ensure the information given is current as the application will be denied if this person cannot be contacted by SkilledTradesBC.

First and Last Name of Applicant's Direct Supervisor:	Supervisor Position or Title:
Supervisor's Phone Number: ()	Supervisor E-Mail Address:
Language(s) that the employer/supervisor can communicate: (check all that apply)	
☐ English ☐ Other (please specify):	

D. Supervisor Declaration of Job Task Performance of Applicant

By checking "Yes" or "No" in the Declaration Response column, indicate whether you, as the direct supervisor of the applicant, have personally witnessed the applicant performing the job tasks listed.

JOB TASKS (35)	SUPERVISOR DECLARATION RESPONSE	
Industry Overview and Professional Work Practices		
Describes the scope of the trade in B.C.	☐ Yes	☐ No
Describes the B.C. Certification System	☐ Yes	☐ No
Describes professional work practices	☐ Yes	☐ No
Workplace Safety		
Describes common safety hazards associated with the trade	☐ Yes	☐ No
Uses safety equipment and procedures when dealing with hazards	☐ Yes	☐ No
Uses the WHMIS System to practice safe care and control of hazardous products	☐ Yes	☐ No
Recognizes and describes hazards to the environment associated with the trade	☐ Yes	☐ No
Recognizes and complies with WorkSafeBC Regulations	☐ Yes	☐ No
Recognizes and complies with the B.C. Water Act and the B.C. Groundwater Protection Regulations	☐ Yes	☐ No
Works safely on the drilling sites	☐ Yes	☐ No
Recognizes and complies with road and traffic regulations	☐ Yes	☐ No
States the safety considerations when dealing with gas encounters, utility clearances and sources of contamination.	☐ Yes	☐ No

Supervisor must enter name and initials on every page of this form

Supervisor First and Last Name (Please Print):	
I hereby certify, that to the best of my knowledge, the information I am providing as a current or past supervisor of the applicant (as named on page 1 of this document), is true and accurate.	Supervisor's Initials:

JOB TASKS (35)	SUPERVISOR DECLARATION RESPONSE	
Drilling Methods		
Describes the different types of well drilling systems applicable to the trade	☐ Yes	☐ No
Uses well drilling methods as applicable to the trade	☐ Yes	☐ No
Geology		
Identifies various rock types and the processes that form them	☐ Yes	☐ No
Describes various soil types found in B.C	☐ Yes	☐ No
Uses proper terminology to describe rock formations as it applies to the trade	☐ Yes	☐ No
Ground Water		
Describes the Hydrologic Cycle (Water Cycle)	☐ Yes	☐ No
Uses proper terminology to describe ground water formations	☐ Yes	☐ No
Describes different sources of water	☐ Yes	☐ No
Artesian Water Flow Prevention		
Describes the characteristics of artesian water flow	☐ Yes	☐ No
Recognizes and prepares for the likelihood of encountering artesian water flow	☐ Yes	☐ No
Identifies the potential hazards associated with artesian water flow	☐ Yes	☐ No
Describes the measures to contain/close artesian water flow	☐ Yes	☐ No
Maps and Other Information Sources		
Reads and interprets maps that pertain to geology, hydrogeology and location	☐ Yes	☐ No
Reads and interprets B.C. Water Atlas online GIS resource	☐ Yes	☐ No
Seeks information from the property owner	☐ Yes	☐ No
Vertical Closed Loop Borehole Heat Exchanger Construction and Installation		
Explains the principles of borehole heat exchanger performance	☐ Yes	☐ No
Identifies the different types of closed loop geexchange boreholes	☐ Yes	☐ No
Uses specific methods for vertical closed loop geexchange borehole construction	☐ Yes	☐ No
Uses specific methods for vertical closed loop geexchange borehole pipe installation	☐ Yes	☐ No

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JOB TASKS (35)	SUPERVISOR DECLARATION RESPONSE	
Describes the purpose of sealing, grouting and cementing boreholes	☐ Yes	☐ No
Uses different types and application of grout for vertical closed loop geotreatment borehole grouting	☐ Yes	☐ No
Hydraulic Systems		
Explains the principles of operation and components of different types of hydraulic systems applicable to the trade	☐ Yes	☐ No
Explains the importance of maintenance schedules and required system servicing	☐ Yes	☐ No

E. Supervisor Signature

I certify that the information I, as the current or former direct supervisor of the applicant, have provided is true and accurate. (Note: Collection and protection of personal information on this form is in accordance with the provisions of the Freedom of Information and Protection of Privacy Act.)

Supervisor Signature:	Date Signed: (MM/DD/YYYY)
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Supervisor must enter name and initials on every page of this form

Supervisor First and Last Name (Please Print):	
I hereby certify, that to the best of my knowledge, the information I am providing as a current or past supervisor of the applicant (as named on page 1 of this document), is true and accurate.	Supervisor's Initials: