



Province of Alberta

APPRENTICESHIP AND INDUSTRY TRAINING ACT

WATER WELL DRILLER TRADE REGULATION

Alberta Regulation 94/2014

With amendments up to and including Alberta Regulation 119/2018

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Office Consolidation

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(Consolidated up to 119/2018)

ALBERTA REGULATION 94/2014
Apprenticeship and Industry Training Act
WATER WELL DRILLER TRADE REGULATION

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Definitions

1 In this Regulation,

- (a) “apprentice” means a person who is an apprentice in a branch of the trade;
- (b) “certified journeyman” means a certified journeyman as defined in the *Apprenticeship Program Regulation* (AR 258/2000);
- (c) “earth loop” means any part, assembly or accessory pertaining to ground source heat exchange systems comprised of piping that is placed into the earth in a series of closed loops and transports fluid for the purpose of heating and cooling residential homes or commercial buildings or both;
- (d) “technical training” means technical training as defined in the *Apprenticeship Program Regulation* (AR 258/2000);
- (e) “trade” means the occupation of water well driller that is designated as an optional certification trade pursuant to the *Apprenticeship and Industry Training Act*;
- (f) “uncertified journeyman” means an uncertified journeyman as defined in the *Apprenticeship Program Regulation* (AR 258/2000);
- (g) “water well” means a hole or shaft sunk into the earth by means of a mobile rotary, boring or cable tool drilling rig to provide access to a water source for residential, commercial or industrial purposes or any combination of those purposes.

Part 1
General Matters Respecting
the Trade

Constitution of the trade

- 2(1) The undertakings set out in sections 5 and 10 constitute the trade.
- 2(2) The trade is made up of the following branches:

- (a) the water well driller branch of the trade;
- (b) the earth loop technician branch of the trade.

Tasks, activities and functions

3 When practising or otherwise carrying out work in the trade, the tasks, activities and functions set out in sections 6 and 11 come within the trade.

Supervision, etc. of apprentices

4(1) Where, in respect of a branch of the trade, a person is a certified journeyman or an uncertified journeyman and is to provide supervision to an apprentice, that journeyman is eligible to supervise that apprentice only

- (a) in respect of the undertakings that constitute that branch, and
- (b) in respect of tasks, activities and functions that come within that branch,

for which that person is a certified journeyman or an uncertified journeyman.

(2) Where a person is an apprentice in an apprenticeship program in a branch of the trade and is employed in respect of another branch of the trade, that apprentice is eligible to carry out work only

- (a) in respect of the undertakings that constitute that branch, and
- (b) in respect of tasks, activities and functions that come within that branch,

for which that person is an apprentice.

Part 2 Water Well Driller Branch of the Trade

Trade Matters Respecting the Branch

Undertakings constituting the branch

5 The following undertakings constitute the water well driller branch of the trade:

- (a) the designing, drilling, construction, development, servicing, disinfecting, sanitation, reconditioning and decommissioning of water wells;
- (b) the repairing, servicing, installing and disinfecting of water well pumps and systems.

Tasks, activities and functions

6 When practising or otherwise carrying out work in the water well driller branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) completing a bore hole into a finished productive water well;
- (b) completing and grouting a bore hole;
- (c) completing water well records and reports as required by the Government of Alberta and the groundwater industry;
- (d) operating the tools of the trade;
- (e) operating and maintaining equipment and drilling systems for drilling water wells;
- (f) heating and cutting metal using the appropriate equipment;
- (g) connecting and installing electrical connections to water pumps;
- (h) identifying and applying the standards and regulations governing the groundwater industry;
- (i) identifying and describing geological formations;
- (j) exploring for groundwater;
- (k) recognizing groundwater flow;
- (l) interpreting chemical content of groundwater;
- (m) monitoring and managing natural gas in the drilling and completion of water wells;
- (n) monitoring groundwater.

Apprenticeship

Term of the apprenticeship program re water well driller

7(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program in the water well driller branch of the trade is 2 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program an apprentice must acquire not less than 1800 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program an apprentice must acquire not less than 1800 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices re water well driller

8(1) Where, with respect to the employment of apprentices in the water well driller branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyman or an uncertified journeyman in the water well driller branch of the trade or employs a certified journeyman or an uncertified journeyman in that branch may employ 2 apprentices in that branch and 2 additional apprentices in that branch for each additional certified journeyman or uncertified journeyman in that branch that is employed by that person.

(3) For the purposes of subsection (2), a person who is a certified journeyman or an uncertified journeyman in the water well driller branch of the trade or employs a certified journeyman or an uncertified journeyman in that branch of the trade may, instead of employing an apprentice in an apprenticeship program in that branch of the trade, employ an apprentice in an apprenticeship program in the earth loop technician branch of the trade to carry out any of the undertakings that constitute the earth loop technician branch of the trade.

Wages re water well driller

9(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the water well driller branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation* (AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeypersons or uncertified journeypersons in the water well driller branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 85% in the 2nd period of the apprenticeship program.

Part 3 Earth Loop Technician Branch of the Trade

Trade Matters Respecting the Branch

Undertakings constituting the branch

10 The undertakings that constitute the earth loop technician branch of the trade are the designing, drilling, construction, installation, grouting, servicing, reconditioning and decommissioning of earth loops.

Tasks, activities and functions

11 When practising or otherwise carrying out work in the earth loop technician branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) drilling bore fields and holes and constructing horizontal trenches;
- (b) installing earth loops;
- (c) grouting bore fields and holes;
- (d) completing earth loop records and reports as required by the Government of Alberta and the ground source heat exchange industry;
- (e) operating the tools of the trade;
- (f) operating and maintaining equipment and drilling systems for drilling earth loops;
- (g) heating and cutting metal using the appropriate equipment;

- (h) identifying and applying the standards and regulations governing the ground source heat exchange industry;
- (i) identifying and describing geological formations;
- (j) monitoring and managing natural gas in the drilling and completion of earth loop bore fields and holes;
- (k) monitoring groundwater.

Apprenticeship

Term of the apprenticeship program re earth loop technician

12(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the earth loop technician branch of the trade is 2 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program an apprentice must acquire not less than 1800 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program an apprentice must acquire not less than 1800 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices re earth loop technician

13(1) Where, with respect to the employment of apprentices in the earth loop technician branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyman or an uncertified journeyman in the earth loop technician branch of the trade or employs a certified journeyman or an uncertified journeyman in that branch may employ 2 apprentices in that branch and 2 additional apprentices in that branch for each additional certified journeyman or uncertified journeyman in that branch that is employed by that person.

(3) For the purposes of subsection (2), a person who is a certified journeyman or an uncertified journeyman in the earth loop technician branch of the trade or employs a certified journeyman or an uncertified journeyman in that branch of the trade may, instead of employing an apprentice in an apprenticeship program in that branch of the trade, employ an apprentice in the water well

driller branch of the trade to carry out any of the undertakings that constitute the water well driller branch of the trade.

Wages re earth loop technician

14(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the earth loop technician branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation* (AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeypersons or uncertified journeypersons in the earth loop technician branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 85% in the 2nd period of the apprenticeship program.

Transitional Provision and Repeal

Apprenticeship continues

15 A person who immediately prior to February 1, 2014 was an apprentice in an apprenticeship program under the *Water Well Driller Trade Regulation* (AR 310/2000) continues as an apprentice in that apprenticeship program under this Regulation.

Repeal

16 The *Water Well Driller Trade Regulation* (AR 310/2000) is repealed.

17 Repealed AR 119/2018 s20.



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