

Occupational Analysis Chart

WATER WELL DRILLER

Occupation Description: "Water Well Driller" refers to a person who sets up and operates mobile equipment used to drill residential commercial and industrial water wells. In addition, they conduct other types of industrial drilling. They must know the geological formations of the area where they are working to find potable water that is clean and safe for drinking. They may assist customers in selecting a drilling site and estimating the cost. Water Well Drillers re-construct, re-develop, disinfect, cap, cover, close and seal wells as required, as well as service and install pumping systems".

Tools, Safety and Maintenance A	Proper Care and Use of Hand Tools A1	Hydraulic Systems A2	Safety procedures A3	Fuel Supply Systems A4		
	1	1	1	1		
Drilling Equipment B	High Air Volume Systems B1	Drilling Safety B2	Cable Tool Drilling B3	Mud Rotary, Air Rotary, Dual Rotary and Air Hammer Drilling B4	Drilling Bits B5	Auger and Boring Drilling B6
	1	1	1	1	1	1
Well Construction and Monitoring C	Well Construction and Design C1	Well Development C2	Ground Water Monitoring C3	Regulations C4		
	2	2	2	1		
Pumping Systems D	Pump Types, Applications and Installations D1	Pump Maintenance and Diagnosis D2	Electrical D3			
	2	2	2			

W = Competencies for which knowledge or skills are primarily acquired in the workplace

E = Endorsement

EL = Elective

F = Foundation



Well Development and Maintenance E	Water Well/Bore Hole Reclamation E1	Ground Water Monitoring E2	Regulations E3	Well Closure E4	Groundwater Geology E5	Water Sources E6
	2	2	1	2	2	2
	Aquifer Characteristics E7					
	2					
Regulations, Metric and Intro to Gas and Monitoring Wells F	Environmental Regulations F1	Groundwater Chemistry F2	Maps F3			
	1	2	2			

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