

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

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

E = Endorsement

EL = Elective

F = Foundation



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

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