

The Drinking Water Treatment Career

By Piper Spier

Water may seem like an abundant source of refreshing substance that is constantly falling from the sky into our mouths, when really there is an entire process of purification and renewal, which is far more complicated than the water cycle that was taught in third grade. The entire Earth is made up of 85% water, however acid rain, pollution, and outside forces contaminate clean water. Not only human beings but also every other living organism on earth need water to survive. Drinking Water Treatment profession is a career that helps water come in plentiful and clean. Before water can come from a faucet or hose in any living space, there are different procedures run by people that are Drinking Water Treatment operators. This in turn, through their hard work makes households protected, happy, and above all, safe.

There are many different types of professions that are related to water, not just the Drinking Water Treatment career, such as Wastewater Collection and Water Distribution. These are only a few examples of how intricate and complex our water treatment is. A Wastewater Collection operator's job consists of maintenance of wastewater amenities, such as fixing any problematic structural occurrences (leaks or blockages) and also any construction as well. They are also responsible for controlling water that may be contaminated and has not gone through the proper procedure to become drinking water, this type of water is called raw water. They also control purified, or clean, water as well. Not only that but electricity that is made by converting potential energy from water into mechanical energy, which is activated by turbines which is a type of generator.

Drinking water treatment operators are valuable citizens who are vitally important for every living space, whether that be a house in the city, an apartment in a small town, or cabin located on the outskirts of a county. What they do exactly is manage the treatments done on water sources to make sure they are safe to ingest, and also making sure that the actual treatments are properly running and are not harming the water content in any way. This drinking water then is distributed throughout wherever their destination is supposed to be.

Though this seems like a large responsibility, as it is, the Drinking Water Treatment career includes other necessary tasks to complete as well. Calibration (to determine, rectify, or mark the graduations of something" as defined by Merriam Webster) and mending to any supplies. These certain jobs are carried out with a very advanced approach of electronic computer equipment that controls the water distribution system and also holds various data as well. There are many different employees that have taken up the Drinking Water Treatment profession, which means that there must be a stable communication between each individual that is involved in any portion of the process. The employees also must have the ability to write certain documents that are understandable and clear.

It is required that employees of the Drinking Water Treatment career use the SCADA system, (which is an acronym for Supervisory Control and Data Acquisition) which is an industrial control system that is used for graphing pipes, scrutinizing water treatment systems, schematic drawings, and other various materials. This system consists of hardware elements and software, making the Drinking Water Treatment career not only crucial, but also complicated, which means communication and interest is of importance for these tasks as well as the actual required knowledge.

The Drinking Water Treatment career is inspiring, and I would choose this profession because it would sustain my family, my friends and even people I don't know! It is understood how important water is and if this were my career it would motivate me to keep doing the best, most worthy job I could possibly do. I would feel proud to know how I was helping so many different citizens, even if they don't know. I would enjoy a working environment that includes a stable communication system between my fellow employees.

The Drinking Water Treatment career is a part of the many water-related jobs that make Georgia's, and the entire country's water supply safe and easy to access. Each one is crucial for each individual's survival, but the Drinking Water Treatment is one of the most important. All of the factors that are included in the career make the job honorable and also protect families. This world is 85% water, which may seem like a source that is always available, even though this isn't the case. The Drinking Water Treatment career makes it seem that way though, thanks to the hard work and dedication.

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