

Importance of the water industry

The water industry is one of the most important industries in the world today. Often, people take clean drinking water for granted, but it is one of the most essential aspects of everyday life and its importance is immense.

Growing up, I have seen a lot of the water treatment process through my dad's work at the Fargo and Moorhead water treatment plants. The hard work and dedication he has for his job and the water treatment industry as a whole, has given me a great perspective on the importance of his work along with everyone else who works in water treatment. Seeing how complicated the processes are and how much work goes into monitoring and maintaining water treatment plants shows how great the people who work in the water industry really are. Over the last few years, I have gone to the Fargo water treatment plant periodically and have witnessed the expansion of the new membrane plant first hand. It has been fascinating to watch and learn about its construction and purpose from my dad. I have also talked with one of the engineers at the plant about the electrical, mechanical, and structural elements and the planning that goes into expanding and maintaining the facility. It was a very interesting insight on the work that is done in the water industry and was applicable to my intended field of study in college which is electrical engineering. Learning about all of the equipment and technology necessary to run the Fargo Water Treatment Plant was fascinating and a reminder of how advanced these water systems truly are. It is great to know that all of these processes yield clean safe water for the people of North Dakota. Without these treatment facilities, the businesses and institutions that are in the area would not be able to exist.

As an aspiring electrical engineer, my future could lie in the water industry as many of the electrical elements of the water treatment plants need engineers to design and maintain them. If my future were to lie in the water industry after my schooling, I would be proud to work in an industry that gives people access to clean safe drinking water here in North Dakota and throughout the rest of the nation.