

CWSF 2015 - Fredericton, New Brunswick



Chloe Reitlo

Can you Drink Wastewater?

Challenge: Environment

Category: Junior

Region: Northern Manitoba

City: Flin Flon, MB

School: École Mclsaac School

Abstract: Flin Flon Wastewater Treatment Plant (WWTP) Effluent was collected and treated. The WWTP Effluent was then compared to Flin Flon's tap water; Cliff Lake (city water source) treated water and Manitoba regulations for drinking water. The tests done for comparisons were turbidity, coliforms, ammonia, chlorine, hardness, nitrate, pH, alkalinity, phosphorus, and copper. Is the WWTP Effluent potable?

Biography

My name is Chloe. I'm in grade 7 at Ecole Mclsaac School in Flin Flon, Manitoba. I like to play sports, hang out with my friends and walk my dog, Weston. I play the piano, clarinet and sing in a choir. My favorite subjects are Math, Science and ELA. I decided to test Wastewater for drinkability after I found out last year how clean our cities drinking water is, in my Science Experiment. I also learned how clean drinking water is becoming limited throughout the world. In the future I'd like to further test the Wastewater and learn how others are making it drinkable. I recommend if you are thinking about doing a project choose a topic that interests you.

Awards

Value

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| Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada | |
| Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University | \$1 000 |
| Total | \$1 000 |