

# 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

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