

## CWSF 2006 - Saguenay, Québec



### Katie Pietrzakowski

#### Shock The Grey

**Division:** Engineering & Computing Sciences

**Category:** Junior

**Region:** Algoma Rotary

**City:** Sault Ste. Marie, ON

**School:** St. Mary's French Immersion School

**Abstract:** Observing how particles are attracted to a hairbrush in air, this project investigated the possibility of creating a similar reaction in a different medium ? greywater. By introducing an electromagnetic field in the medium, visual and measured observations concluded that the amount of particulates suspended in untreated greywater was reduced. The "clarity" of the treated greywater was measured using home-designed equipment.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Earth & Environmental Sciences - Junior Sponsor: Petro-Canada	\$300
Total	\$1 300