

# CWSF 2008 - Ottawa, Ontario



## Muhammad Aadil Waja

### Remediation Sensation

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Senior

**Region:** North Bay

**City:** North Bay, ON

**School:** Widdifield Secondary

**Abstract:** Remediation Sensation is an attempt to introduce a potentially new method of breaking down pollutant textile dyes. Throughout the course of this experiment, I am using electrical voltages of 6, 12, and 18 volts to break down the dye molecules in a dye solution. I am comparing this against the use of pure iron metal, also known as Zero Valent Iron as a remediation method.

### Biography

My name is Muhammad Aadil Waja, I am of African descent and am in my grade 12 year of high school in North Bay at Widdifield Secondary School. My life in high school is fast coming to a close; during my time I have taken part in the badminton team and the tennis team. I have also participated in many math contests, the biology contest, and this is my third year at science fair, my first going to Canada Wide. I also volunteer at the hospital as well as having volunteered at the North Bay Food Bank. I am very interested in tennis, but I also enjoy squash, video and computer games, table soccer, pool, and table tennis. After this year I plan to move on to take Chemical Engineering at the University of Toronto. Eventually becoming a chemical engineer before perhaps moving on into business.

### Awards

### Value

Canadian Stockholm Junior Water Prize Sponsor: Canadian WEF Member Associations, the Canadian Water and Wastewater Association, and Jacobs	\$2 000
Honourable Mention - Earth & Environmental Science - Senior Sponsor: Petro-Canada	\$100
Total	\$2 100