

# CWSF 2009 - Winnipeg, Manitoba



## Rachel McLay

### Is it Safe to Make The Switch?

**Division:** International / Environmental Innovation

**Category:** Junior

**Region:** Bluewater

**City:** Stokes Bay, ON

**School:** Bruce Peninsula District S.S. & E.S.

**Abstract:** This project examined the safety of compact fluorescent light bulbs (CFLs) in terms of human health and environmental impact. It was found that CFLs do not emit dangerous levels of ultraviolet radiation and are safe for people if the CFLs are disposed of properly. It was determined that the energy-saving benefits of using CFLs more than compensates for any mercury emissions caused by their production.

### Biography

My name is Rachel McLay and I live in Stokes Bay. I live on Stokes Bay Shores, with Lake Huron right in front of my house. I live with my mom, step-dad, two-year old brother and orange fat cat. I have a sister who lives in Sarnia, and a Dad and brother who live in London. I am 14 years old, in grade 8 and attend Bruce Peninsula District School in Lion's Head. I am on our school's elementary student council as the secretary. I play on all of the sport teams at our school. I succeed in x-country running and track and field awards. My grades for every class are above average, and my highest marks are achieved in the subjects phys-ed, English, French, history and science. I enjoy reading, I love writing, I like to be active, and I'm an animal-lover. I spend most of my time outdoors walking, biking, and swimming in the summer. I have my Bronze-Medallion for lifeguarding and this summer I am taking my Bronze-Cross. I play the piano, and I am getting my grade three this coming June. I play girl's hockey throughout the winter, and I am playing lacrosse this spring.

### Awards

### Value

Honourable Mention - Physical & Mathematical Sciences - Junior Sponsor: <u>Encana Corporation</u>	\$100
<b>Total</b>	<b>\$100</b>