

# CWSF 2008 - Ottawa, Ontario



## Kimberly Gulevich

### Heat Up the Hydrocarbons

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

**Category:** Intermediate

**Region:** Northern British Columbia

**City:** Fort St. John, BC

**School:** Dr Kearney Jr Secondary

**Abstract:** This project investigated the process of bioremediation, and experimented with applications of heat to speed up the process. By heating the soil, the bioremediation process was sped up dramatically. Heating the environment around the soil proved to be the most efficient method of heat application. The use of geothermal energy for bioremediation was researched, and determined to be feasible in a reusable situation.

#### Biography

I was born and raised in Fort St. John, BC and enjoy living and learning in the North. I am a grade ten student, currently enrolled in Dr. Kearney Junior Secondary. This is my third CWSF and was happy to receive two bronze medals at the 2006 CWSF, and enjoyed the wonderful cultural experience at the 2007 CWSF. As a result of my experiences, I recently attended and competed in the Taiwan International Science Fair, in February of 2008. There, I received a third place award in my category. This year I was appointed editor of my school's yearbook, and was involved in the layouts and planning of the yearbook. In my spare time I enjoy competing and performing in Irish Dance. I also enjoy pursuing outdoor activities with my family.

#### Awards

#### Value

Honourable Mention - Earth & Environmental Science - Intermediate	\$100
Sponsor: Petro-Canada	
<b>Total</b>	<b>\$100</b>