

ESPC 2009 - Winnipeg (Manitoba)



Kimberly Gulevich

Got Gas?

Division: Génie et sciences de l'informatique / Innovation environnementale

Catégorie: Sénior

Région: Northern British Columbia

Ville: Fort St. John, BC

École: North Peace Secondary

Sommaire: This project studies the feasibility of methane capture from a household sewage lagoon. Phase One designed and created a hydrogen sulphide scrubber to scrub the collected biogas. The iron oxide absorption method was used and found to reduce hydrogen sulphide levels to below Canadian Oil and Gas Pipeline Standards. Phase Two is proposed to collect biogas from a lagoon to complete the methane collection system.

Biographie

I was born and raised in Fort St. John, BC and enjoy living and learning in the North. I am a grade eleven student, currently enrolled in North Peace Senior Secondary. This is my fourth CWSF and I was happy to receive two bronze medals at the 2006 CWSF, and an honourable mention at the 2008 CWSF. As a result of my experiences, I attended and competed in the Taiwan International Science Fair in February of 2008. There, I received a third place award in my category. Last year I was appointed editor of my school's yearbook, and was involved in the layouts and planning of the yearbook. This year at the regional science fair, I was honoured to receive the British Columbia Innovation Council's Young Innovator Scholarship. In my spare time I enjoy competing and performing in Irish Dance which I have been doing since I was nine years old. I also enjoy pursuing outdoor activities with my family.

Prix

Valeur

Prix Ingénieurs sans frontières Canada Commanditaire: Ingénieurs sans frontières Canada	1 500,00 \$
Bourse d'études de l'Université Western Ontario Médaille de bronze - Bourse de début d'études de 1 000 \$ Commanditaire: Université Western Ontario	1 000,00 \$
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Médaille de bronze - Sciences de la terre et de l'environnement Sénior Commanditaire: Pétro-Canada	300,00 \$
Total	3 800,00 \$