

## CWSF 2005 - Vancouver, British Columbia



### Cyrus Navabi

#### The Effects of Aerobic Pseudomonades on Diesel Contaminated Soil by using Bioremediation

**Division:** Earth & Environmental Sciences

**Category:** Intermediate

**Region:** Greater Vancouver

**City:** West Vancouver, BC

**School:** Collingwood School

**Abstract:** I tested bioremediation - naturally occurring aerobic bacteria eating at carbon chains to decontaminate them. Each week for a month I tested the decreasing extractable petroleum hydrocarbon (EPH) levels in three samples with different concentrations of diesel. Over four weeks, the samples decreased 68-74 percent in EPH levels.

Awards	Value
Petro-Canada Peer Innovation Award - Intermediate - Western Canada	\$200
Sponsor: Petro-Canada	
Total	\$200