

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