

# Case 4: Dawson Creek Empty Lot, Canada

- This site is a commercial property located in Dawson Creek, BC which was contaminated with hydrocarbons during historical railroad operations at the site.
- **Solution:**
- The site was bioremediated using a combination of electrokinetics, biosurfactants, and hydrocarbon degrading bacteria and fungi. **EKOGRID™** was used for delivery of remediation reagents and for remediation.
- **Results:**
- The site was treated for 30 days under winter conditions and a significant reduction in hydrocarbons occurred, allowing for the successful risk assessment of the residual impacts.



Table 4. Dawson Creek Site 2

Parameter	Pre-Treatment Sample 1	Post-Treatment Sample 1	Pre-Treatment Sample 2	Post-Treatment Sample 2
Benzene	0.178 mg/kg	<0.02 mg/kg	7.41 mg/kg	4.08 mg/kg
Toluene	0.028 mg/kg	1.22 mg/kg	0.128 mg/kg	0.013 mg/kg
Ethylbenzene	0.819 mg/kg	0.09 mg/kg	10.8 mg/kg	3.24 mg/kg
Xylenes	0.738 mg/kg	0.06 mg/kg	0.281 mg/kg	1.1 mg/kg
C6-C10	154 mg/kg	40 mg/kg	386 mg/kg	100 mg/kg