

Responding to a Crude Oil or Related Product Release

REFERENCE SHEET

ENVIRONMENTAL RESPONSE



Response Elements

- Air Monitoring
 - LEL Metering
 - H₂S Monitoring
 - Benzene and Related HAPs Monitoring
- Prevent Migration to Surface Waters
- Contain and Remove Crude Oil That Reaches Surface Waters
 - at the Surface
 - at the Bottom
- Block Subsurface Migration
- Remove Oil from Upland Surfaces

Dilbit Behavior in Surface Water

- Initially Floats
- Evaporation of Diluent
- Formation of Dense Bitumen Mass
- Downstream Subsurface Transport

Priority Determinations at Release

- What is the Product?
- What is the Potential for H₂S?
- Is there Potential to Reach Surface Water?

Personal Monitoring Gear

- H₂S
- LEL
- Benzene

Priority Field Data

- H₂S Content and Potential Release on Heating
- Diluent Composition and Volume (for Dilbit)
 - Flash Point
 - Viscosity at Field Temperature

Data Source

- www.crudemonitor.ca
- Refiners Crude Assay from Destination

