

### Case Study:

#### Suncor Energy Refinery Commerce City, Colorado

**Loss Event:**  
Groundwater and Surface Water Contamination

**Damage:**  
Potential Environmental Hazard

#### SUNCOR ENERGY

Suncor Energy pioneered the commercial development of Canada's oil sands – one of the largest petroleum resource basins in the world and has since grown to become a globally competitive integrated energy company. Suncor explores for, develops and produces conventional oil and natural gas – from both onshore and offshore developments – and also invests in clean, renewable energy sources.

Suncor Energy's refining process oil sands crude into the high-quality refined products that consumers demand.

The Suncor refinery in Commerce City, Colorado, has the capacity to produce 98,000-barrels-per-day of gasoline, diesel fuel and paving-grade asphalt



#### THE PROJECT

Working with Suncor's Environmental Department and consultants, Belfor Environmental remediated surface water areas that had been impacted with hydrocarbons at the perimeter of the refinery.

Twelve professionally-trained BELFOR Environmental technicians removed product from the pond using various methods, such as deploying containment, sorbent boom application, installing vertical hydraulic barriers, and the installation of piezometers including product recovery pumps. All of these methods were used in the operation over the course of 11 months.

The goal was to reduce groundwater and surface water contamination and limit plume concentrations and presence.

#### CHALLENGES:

- Meeting Strict Client Requirements for Hazard Analysis of Site Activities
- Government Oversight and Regulatory Compliance
- Project Was Completed With 100% Safety

*"We couldn't be more pleased with the job that BELFOR Environmental did. We have confidence that, when it comes to environmental remediation projects, they are a solid company with the resources, knowledge and training to not only do the job correctly but also to do it safely."*

**GREG FLETCHER**  
Suncor Energy Refinery

#### 24/7 Emergency Number

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