



## CONTAMINATED SOIL REMEDIATION

### Active Upstream Oil & Gas Location

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#### Client

- Oil & Gas Producer

#### Problems

- Hydrocarbons
- C<sub>6</sub>-C<sub>10</sub> ± 1260 ppm  
(Criteria = 260 ppm)
- C<sub>10</sub>-C<sub>16</sub> ± 1700 ppm  
(Criteria = 900 ppm)
- Ethyl-Benzene ± 6.46 ppm  
(Criteria = 0.19 ppm)



#### Project Summary

The impacted soil was contaminated with petroleum hydrocarbons. The targeted remediation goals were the Alberta Tier 1 hydrocarbon guidelines for fine-grained surface soil using a natural area land-use. On-site, there was a total of approximately 5,842 m<sup>3</sup> to be treated. The scope of work was to process material by means of our dual-drive Allu bucket attachment.

#### Results and Advantages

- Achieved successful remediation of Ethyl-Benzene, F1 (C<sub>6</sub>- C<sub>10</sub>) and F2 (C<sub>10</sub>.C<sub>16</sub>) petroleum hydrocarbons (results were <0.10 ppm, 87 ppm and 332 ppm respectively).

#### Duration and Cost

- Project completed in 2 months (4 months ahead of schedule).
- Project Cost:  
± \$124,000.00 (On Budget)

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