


# Site remediation, Slave Lake.

4,800 tonnes of hydrocarbon and VOC impacted soil removed from behind a cantilever secant shoring wall at a former provincial maintenance facility inside the community.

FORMER MAINTENANCE FACILITY · SLAVE LAKE · ALBERTA

**4.8K t**
Impacted soil excavated and disposed

**7 m**
Shored excavation depth

**0**
Lost time injuries

## THE WORK

A cantilever secant shoring wall held a 7 m deep excavation beside an active neighbourhood. Impacted soil was excavated, hauled and disposed.

3,000 m³ of clean fill was compacted to 96% SPMDD and the site was capped with gravel to 100% SPMDD. Landfill, trucking, backfill, compaction testing and surveying were all sourced locally.

## PROJECT RECORD

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|---|---|
| CLIENT | Provincial government (confidential) |
| SITE | Former provincial maintenance facility, Slave Lake |
| EQUIPMENT | Cantilever secant shoring wall, long-reach excavator |
| COMPLETED | 2023 |

| | |
|---|---|
| NELSON ROLE | Prime contractor and control of the project site |
| CONTAMINANTS | Hydrocarbons and VOCs in soil |
| VOLUME | 4,800 t excavated; 3,000 m³ backfilled |
| CRITERIA | 96% SPMDD backfill; 100% SPMDD gravel cap |