

# PROJECT PROFILE



## James Creek Investigation and Remediation

### BACKGROUND

KBL Environmental Ltd (KBL) provided spill response, environmental monitoring and sampling following a release of diesel at a highway maintenance camp near Fort Mcpherson, NT. Onsite work including surface water monitoring, product recovery, protection of downstream receptors, remediation, investigation, monitoring of remaining impacts and risk assessment services were managed by KBL. KBL worked with local contractors and equipment operators at the site while managing access and logistical considerations for this remote location along the Dempster Highway.

### SCOPE OF WORK

In June 2016, KBL was contacted by to provide soil disposal and spill delineation services in response to a diesel spill that occurred at the site adjacent to a stream frequently used as a drinking water source. Upon arriving at the site, KBL managed response activities including use and deployment of spill response materials, sampling of surface water, obtaining biological samples, rough delineation of product and impacted soil and removal of soil impacts by excavation.

The work required specialized techniques to protect the stream during work at the site. During excavation and delineation special measures to protect the stream from contaminant and sediment disturbed during excavation activities. An Aquaguard Dam (TM) was deployed across the length of the stream immediately adjacent to the disturbance. Following restoration of the site, erosion control barriers were installed to prevent silt from entering the stream.

Following remediation, KBL managed delineation of remaining inaccessible impacted soil and groundwater impacts by drilling boreholes and installing groundwater wells. Groundwater and surface water monitoring and sampling were performed periodically in 2017. KBL was responsible for regulator interactions including routine site inspections and updates and out of territory waste relocation permitting. As well, updates were provided to the local communities regarding the status of the site. KBL managed scope, schedule and costs providing routine updates to DOT senior management as well as milestone reporting at the end of 2016.

### Project Challenges:

Several conditions made work at this location uniquely challenging. These included wide variability in stream flow rates, braided ephemeral stream channels, relatively remote location, and a high level of public scrutiny. KBL met these with an adaptive goal focused approach, exhaustive planning and clear regular communication with the stakeholders involved.

### CLIENT

Confidential

### PROJECT RELEVANCE

- ✓ Emergency Response
- ✓ Spill Clean Up
- ✓ Project management
- ✓ Phase II Drilling Investigation
- ✓ Ground Water Monitoring and Sampling
- ✓ Remedial Options Analysis
- ✓ Regulator and Stakeholder Interactions

### CONTRACT VALUE

>\$250,000

### SCHEDULE

Start Date: July 2016

End Date: July 2017

Project Team:

Name	Role	Responsibilities
Shawn Samborsky, M.Sc, P.Ag	Project Director	Communications (meetings, emails letters, reports) with clients, 3 <sup>rd</sup> party stakeholders and regulators
Fraser Judd, P.Eng,	Senior Technical Lead	Technical review of work, senior review of repots, field audits
Josh Foster	Project Manager	Execution and oversight of field activities (drilling groundwater monitoring and sampling, installation of recovery trench, surface water sampling)
Doug Dawley	Project Manager	Execution and oversight of field activities, logistics coordination, and client communication
Matt Ewanchuk	Site Supervisor	Field activities (installation of recovery trench, groundwater monitoring and sampling, surface water sampling)