

ParklandGEO is very experienced with landfill siting, permitting, construction, monitoring and closure in Alberta. Since 2000, we have performed several siting investigations and gained approvals for various landfills throughout central Alberta. We have also designed individual cells, including liners and leachate collection systems throughout central and north central Alberta. We have worked with many municipalities to improve landfill practices and perform life cycle analyses to determine tipping fees. We are very



experienced in landfill construction monitoring and liner quality assurance throughout Alberta, and have a fully equipped laboratory to do all required soils testing in-house. ParklandGEO has worked closely with Alberta Environment in order to gain approvals for conception as well as closure of landfills, and we also perform yearly groundwater and surface water sampling throughout Alberta. ParklandGEO has worked with all ranges of landfills, including lagoons, oilfield landfills, and Class I, II, and III municipal landfills. ParklandGEO has also characterized, delineated and provided setback guidelines for many former landfills throughout central Alberta.

MAJOR LANDFILL PROJECTS

City of Red Deer Waste Management Facility - QA testing (Cells 1 to 4)

Bluffton Landfill - Site assessment, permitting and design, QA testing (Cells 1 to 4)

Three Hills Landfill - Site assessment & design, operations planning, QA testing (Cells 2 to 4), life cycle analysis, landfill optimization, ongoing monitoring

Whitecourt Regional Waste Management Facility - Site assessment, design & QA testing (Cell 10)

Didsbury Landfill - Site Assessment, permitting for registration, design, QA testing (Cells 1 through 3), license application, ongoing groundwater monitoring

Didsbury Landfill - Site closure plan for Cell 3 and Airspace Study

Pine Lake Regional Landfill - Site & design review, QA Testing for Cell 1B

County of Red Deer Lousana Modified Landfill - Assessment and groundwater monitoring

City of Red Deer Lindsay Thurber High School Former Landfill - Delineation, waste removal, gas management system, ongoing monitoring

City of Red Deer Former Riverside Landfill - Delineation, characterization, remediation planning and clean-up monitoring

Landfill Setback Investigations - Former landfill characterizations, delineations and monitoring for setback easements at over six sites in central and northern Alberta

City of Red Deer Former Landfill Development Plan - Developed a planning model for the City of Red Deer to use in assessing development risks near 10 former landfill sites in the City

County of Red Deer - Annual groundwater and/or landfill gas monitoring at five former landfills in Red Deer County