

## Former Service Station Facility Remediation



### Project Profile

A full service garage operated on this site from the 1940's to the 1960's and a service station until the late 2000's. The property owner was not the operator of the facilities and was left to complete the investigation and remediation of the Site to obtain COCs for sale of the property. The property owner undertook legal action to recover the costs associated with the contamination.

### Issue

Historical spills and/or leaks occurred, with soil and groundwater contamination on and off site and on adjacent municipal lands. We found hazardous waste (HW) level hydrocarbons and metals contaminated soils present on Site. Three different service station configurations and several third party leaseholders added to the complexity of identifying contamination sources and apportioning responsibility to the appropriate parties. Contamination migrated off-Site in three different directions in a total of seven different plumes.

### Solution

SynergyAspen completed on and off-Site remediation whereby a total of 12,000 tonnes of hydrocarbon contaminated soil disposed of off-Site at an approved facility and 15m<sup>3</sup> of metals contaminated soil was stabilized on-Site prior to transportation and disposal. We proved that drinking water (DW) standards did not apply and eliminated preferential pathways based on hydrogeological assessments.

### Outcome

We obtained two Certificates of Compliance using numerical standards for both on and off-Site lands. Synergy Aspen completed a forensic data analysis and provided Expert reports in support of the landowner's legal case, which was settled out of court. With a clean bill of health, the property owner sold the property with ease.