



MBS® CASE STUDY	
Location:	Glasgow, Scotland
Hazardous Metal:	Hexavalent Chromium
Source of Contamination:	Chromium Ore
Medium:	Sandy/clayey soil

There was severe hexavalent and trivalent chromium contamination on this site as a result of waste associated with chromite ore processing. Total chromium ranged from 153 ppm to 12,850 ppm with leachable chromium ranging from 88 mg/l to 170 mg/l.

Solucorp conducted a treatability study proving MBS® will successfully treat both total and leachable hexavalent chromium and leachable trivalent chromium. Unlike other technologies, MBS does not require a pre-treatment step to convert hexavalent chromium to the trivalent form prior to stabilization.

Preceding on-site treatment, material was excavated and screened to 2.5 cm. Treatment results mirrored laboratory tests with the leachable hexavalent and trivalent chromium reduced to fractional/non-detectable levels.

