

## Bulk Decontamination of Heavy Metal Impacted Soils



Client:	Birse Civils Balfour Beatty Construction Services UK
Site:	i54 South Staffordshire Enterprise Zone
Contract Value:	£930,000
Technology Used:	Regener8 – Reduction treatment of heavy metals.



Our sustainable waste management solution saved the Client in excess of  $\pm$ 500K by treating 34,000m3 of heavy metal impacted soils for reuse off-site as an engineered fill. "Excellent experience working with Dunton. We would use their services again."

Lance Foxhall, Senior Engineer Staffordshire County Council







## Challenges

- The i54 South Staffordshire is a strategic development site in the centre of the UK, approximately 3 miles north of Wolverhampton City Centre.
- The site was awarded Enterprise Zone status in 2011 and redeveloped by Staffordshire County Council, Wolverhampton City Council and South Staffordshire Council.
- Regeneration of the 226 acre site resulted in a significant **surplus of contaminated soils** requiring off-site disposal.
- The contaminated material was stockpiled across a number of strategic plots where the joint partnership was concluding land sales.
- The contaminated soil matrix predominantly comprised peat which was **not permitted at local landfill sites.**

## **Our Solution**

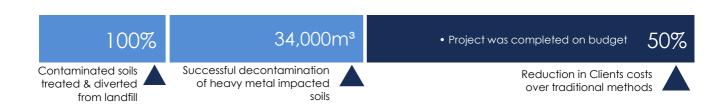
- Successful negotiation with environmental regulators, i54 partnership and disposal facilities.
- Treatment undertaken using Dunton's in-house **Regener8-19** product.
- Dunton Environmental developed a sustainable remediation strategy that targeted contaminants of concern and enabled treated material to be reused off-site as an engineered fill.







## Results



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