



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 £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

