

CLIENT

Galliford Try

VALUE

£200k

TIMEFRAME

8 weeks (completed 2 weeks early)



OUR SERVICES

- ✓ DESIGN & BUILD SERVICES
- ✓ PROCESS EQUIPMENT
- ✓ CHEMICAL & BIOLOGICAL TECHNOLOGIES
- ✓ PHYSICAL REMEDIATION

REMEDIATION OF HYDROCARBON-IMPACTED SOIL AND GROUNDWATER ON A FORMER HEAVY MANUFACTURING FACILITY

THE CHALLENGE

Geostream UK was tasked with soil and groundwater remediation on the site of a former heavy manufacturing facility.

Over 3,000m³ of hydrocarbon-contaminated soils were above impacted groundwater (2m below ground level).

TPH was present in one large hotspot, with multiple associated isolated perched groundwater contamination plumes.

SOLUTION

We deployed our Environmental Permit to treat and enable reuse of all impacted soils and incorporated this within a Materials Management Plan, following the CL:AIRE DoW CoP.

This allowed the team to begin a programme of ex-situ bioremediation of soils, placing hydrocarbon-contaminated material in five banded treatment beds. Soils were then treated and monitored daily in line with the requirements of the approved Environmental Permit.

Geostream UK's in-house, intelligent equipment was used to record locations and dig depths in real-time, sending detailed data straight from site to office. This helped shave valuable time off the delivery programme.

Following successful bioremediation to agreed targets, all soils could be reused on site. This prevented 3,000m³ (or 350 wagon loads) of contaminated material from being disposed of to landfill, and meant no clean fill needed to be imported.

Isolated areas of TPH-contaminated groundwater were treated in-situ by ISCO treatment with Geostream UK-exclusive substrate, OBC™. This was used in four locations and one treatment bed, treating residual soil concentrations.

RESULTS

- ✓ Treatment targets met two weeks ahead of schedule
- ✓ Circa. £1m saved through re-use of materials on site

YOUR SINGLE SOURCE PROVIDER FOR REMEDIATION TECHNOLOGIES

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