

Energy Alloys – Pump & Treat

Site Area: 0.75 Hectares
Current Use: Metal Fabrication
Client: Energy Alloys UK Ltd
Value: £300,000

Provectus were commissioned by the client to remediate their site. During site investigation works undertaken by ourselves it was found that the underlying groundwater had been impacted by cutting oil that has leaking from several sources on site over an unknown timescale.

A Remedial Options Appraisal was written for the site and final remedial proposals were agreed with the Regulatory Authorities.

It was considered that a high degree of site betterment could be achieved through a remediation scheme that involves the following:

- Pump and Treat Groundwater remediation works, comprising the installation of 3 LNAPL product interception trenches internal to the building. Sumps were installed within the trenches to act as pumping wells. The oil was found to be between 1.5 and 2m below ground level.
- Pipe work installed in the trenches were connected to an onsite groundwater treatment facility, comprising a settlement tank, oil water separator and granular activated carbon units. The separated water is discharged to foul sewer under full consent from Yorkshire Water.
- The recoverable LNAPL is removed from site in suitable containers to the appropriate waste facility.



- Groundwater monitoring is undertaken from existing site boreholes to validate the ongoing remedial works.

We managed to undertake these works whilst the site was fully operational, working closely with the site occupants to ensure minimal disruption and no economic loss to the business.