Jack Shore

District Manager, UK and Scandinavia

Education

B.Sc (Hons) Environmental Geoscience

Qualifications/Memberships

(CSci) IES Chartered Scientist

Professional History

District Manager, UK & Scandinavia, REGENESIS, (May 2015 – Present)

UK Technical Manager, REGENESIS, (November 2012 – May 2015)

Remediation Engineer, REGENESIS, (February 2012 – November 2012)

Geoenvironmental Engineer, Provectus Group, (September 2010 – February 2012)

Environmental Scientist, Parsons Brinkerhoff (WSP) (September 2008 – August 2010)

Assistant Environmental, Wardell Armstrong LLP Assistant, (May 2007 – June 2008)

Profile

Jack is a Chartered Scientist with over 12 years' experience working within the contaminated land industry as a Consultant, Contractor and Solutions Provider. During his time at REGENESIS, Jack has specialised in the design and implementation of in situ remediation solutions in the UK and Nordic Countries. He has evaluated over 2,500 sites, as to their suitability for in situ remediation using REGENESIS technologies. Jack has designed and implemented the largest in situ permeable reactive barrier ever completed by REGENESIS internationally.

Jack has accomplished other significant firsts within the field of groundwater remediation within the EU; the first use of colloidal activated carbon to passively manage a perfluoroalkyl and polyfluoroalkyl groundwater plume (PFAS) and the successful in situ bioremediation of propellent contamination within a fractured mudstone. During his time as District Manager, Jack has successfully introduced REGENESIS technologies into the Finnish and Norwegian remediation markets.

Selected Project Experience

In Situ Chemical Oxidation (ISCO), Enhanced Aerobic Bioremediation (ENA) and installation of a 13,000m^2 horizontal colloidal activated carbon in situ permeable reactive barrier (I-PRB), Sweden, €1.4m

- Operations in Northern Europe's largest freight train hub had resulted in widespread petroleum hydrocarbon contamination at the site.
- REGENESIS designed a targeted ISCO and ENA remediation strategy across a 13,000m^2 area to reduce contaminant mass across the site.
- Jack was responsible for the detailed design and execution of this remedial strategy, stakeholder engagement and regulatory buy-in.

In situ remediation of PFAS impact groundwater, Sweden, €80k

- A Swedish site where historic fire-training activities had resulted in a plume of per- and polyfluoroalkyl substances (PFAS) egressing from the site and impacting the Baltic sea.
- REGENESIS designed a remedial approach which allowed the redevelopment to go ahead. The treatment removed the environmental risk through sorption and long-term retardation of the PFAS.
- Jack was responsible for the strategic delivery of the project communication between stakeholders.

In Situ Chemical Oxidation (ISCO), Enhanced Aerobic Bioremediation (ENA) and installation of an 890m long colloidal activated carbon in situ permeable reactive barrier (I-PRB), UK, £480k

- A former paint manufacturing facility in Southeast England was due to be redeveloped for light industrial use. Historic practices on the site had resulted in a mixed BTEX, PAH and TPH plume extending across the site.
- REGENESIS designed and oversaw the installation of a 890m long I-PRB. In addition to this targeted ISCO and ENA injection were completed across a 4000m^2 area to reduce contaminant mass across the site.
- Jack was responsible for the detailed design and execution of this remedial strategy.

Selected Project Experience continued

Bioremediation of TNT, DNT and MNT at a former munitions factory, UK, £380k

- The site was a former explosives manufacturing facility dating back to before World War II.
- REGENESIS designed a series of anaerobic permeable reactive barriers, installed across the site and the performance monitored for a further 12 months.
- Jack was responsible for the detailed design and execution of this remedial strategy, stakeholder engagement and regulatory buy-in.

Passive plume containment and source removal across a 1km PCE Plume, Finland, €180k

- Historically a metal process facility has caused an extensive chlorinated solvents contamination, resulting in a >1 km long plume consisting of PCE with no evidence of natural attenuation occurring.
- REGENESIS was responsible for designing source treatment comprising ERD with bioaugmentation and the installation of a colloidal carbon I-PRB.
- Jack was responsible for the strategic delivery of the project, communication between stakeholders and gaining regulatory buy-in.

Enhanced recovery of LNAPL across an active railway station, UK, £400k

- >1m of free phase diesel was recorded across the active train filling station point.
- REGENESIS was responsible for designing and conducting a site investigation across the depot to understand the extent of the problem. REGENESIS then developed a remediation strategy comprising physical treatment (pump and treat), enhanced desorption and recovery, in situ chemical oxidation and finally enhanced aerobic bioremediation.
- Jack was responsible for the design and execution of this remedial strategy.

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