



## Treatment of Contaminated Harbour Sludge



Client:	Herbosch-Kiere Marine Contractors Ltd
Site:	Pounds Quay, Portsmouth, UK
Contract Value:	£530,000.00
Technology Used:	Bio-accelerator, Regener8-19, Remos

### Abstract:

In early 2016 Portsmouth City Council undertook maintenance and capital dredging works at Portsmouth International Port. The contract works included the demolition of a large jetty, removal of seabed obstructions and dredging to improve the mooring ability of vessels.

### Challenges:

- Dredged material was found to be contaminated with fuels, oils, heavy metal compounds and asbestos containing materials.
- Disposal at sea was prohibited due to the presence of significant contaminants of concern.
- Limited space available at the jetty to allow any form of processing or treatment.
- The dredged material was too wet to be safely transported to hazardous disposal facilities in-land.

## Our Solution:

- Establishment of a suitable drying bed and treatment pad at a nearby waste reclamation yard, known locally as 'Pounds Quay' located some 2 km due north.
- Dredged material was received on the dockside via 300m<sup>3</sup> split hopper barges and transferred into the treatment cells by 360 excavators.
- Initial dewatering technology by applying our Cementex product to the dredged sludge followed by destruction of contaminants of concern using our in-house Bio-Accelerator, Regener8-19 and Remos product range.
- Treated material was loaded onto 8-wheel tippers and transferred to local permitted facilities as non-hazardous material.

## Results:

- 8,000 tonnes of contaminated sludge diverted away from hazardous landfill.
- 50% cost savings versus traditional disposal approach.

