



## Remediation Services

OEE can offer a complete solution for remediation projects including:

- ◆ Initial baseline sampling and pilot trials
- ◆ Liaison with regulators and agreement of remedial objectives and target concentrations
- ◆ Treatment system design, installation and operation by our experienced engineers using our in-house equipment
- ◆ Verification sampling and reporting including obtaining regulatory approvals



## Our Plant & Equipment

- ◆ Up to 30m<sup>3</sup>/hr groundwater pump and treat systems
- ◆ Silt settlement and de-watering solutions
- ◆ ATEX rated dual & multi phase vacuum systems
- ◆ Mobile treatment solutions
- ◆ Chemical oxidation injection & dosing plant
- ◆ Aeration & sparging units



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## Modular Equipment

OEE have designed bespoke modular remediation equipment which offer the following key benefits:

- ◆ Rapid deployment from stock using OEE vehicle fleet without the need for third party transport
- ◆ Ease of deployment on sites with small footprints or difficult access
- ◆ Rapid upscaling or downscaling of treatment capability should requirements change mid-project
- ◆ Rapid replacement of individual modules should a fault occur significantly reducing potential down time

## Mobile Treatment Solutions

OEE can provide mobile treatment solutions that can be utilised for rapid mobilisation for spill response and remediation. OEE has a variety of mobile treatment solutions including:

- ◆ Mobile Treatment Unit
- ◆ Mobile Water Treatment Systems
- ◆ Mobile Oil Water Separators
- ◆ Spill Response Units



## Pumping Capabilities

OEE operate and maintain a range of pumping capabilities for the abstraction of contaminated groundwater from boreholes, sumps, wells and surface waters. Capabilities include:

- ◆ Recovery of LNAPL and dissolved phase contaminants using top-loading pneumatic ATEX certified pumps at depths of up to 130 m
- ◆ Recovery of LNAPL and dissolved phase contaminants from shallow groundwater using surface mounted ATEX certified air-operated double diaphragm (AODD) pumps to depths of up to 7 m
- ◆ Recovery of LNAPL from sumps, wells and surface water using floating skimmers coupled with ATEX AODD pumps
- ◆ Recovery of dissolved phase hydrocarbon contaminated water using ATEX certified electric submersible pumps

Oracle Environment Experts Ltd design, build, operate and maintain a wide range of remediation systems specifically designed to address hydrocarbon releases into the environment. We have developed specialist recovery and treatment systems with a focus on NAPL recovery from soils, surface waters and from groundwater.

All our treatment systems have undergone HAZOP (Hazard and Operability Studies) and EHSR (Essential Health & Safety Requirements) studies. OEE engineers hold relevant WAMITAB qualifications to ensure compliance right through the design, implementation and operational stages.



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