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Getting to grips with 'special execution'

Best practice in pump management requires the efficient collection, extraction, pumping, and disposal of water and wastewater. In special applications - remediation projects where the ground is contaminated, or where the environment is potentially hazardous, chemically reactive or difficult - the importance of continuous pumping can make the pump selection an essential part of the process.

Geoquip has been a specialist supplier to the water industry for more than twenty years, providing equipment, plant and technical solutions for water supply systems and water projects

nals, all stainless steel 304 and 316, as well as a version for permanent immersion in hydrocarbon-polluted water. ATEX approved 4" submersible pumps are available with a maximum flow of 24m³/hr and maximum head of 214m.

Geoquip also offers a wide range of pump package solutions incorporating pumps, starter and control panels, telemetry options and flexible rising mains. "We've partnered with world leading manufacturers like E-tech, part of Franklin Electric, and Angus Wellmaster to provide pumping solutions that can cope with the most arduous of envi-



worldwide. One of Geoquip's particular areas of interest is the supply and advising on submersible borehole and special execution pumps and motors. "It is in the last six years that ATEX approved submersible pumps have become available. One application is potentially explosive situations like landfill operations where gaseous by-products have to be considered." Previously the only 'explosion proof' pumps available were drainer pumps with relatively low heads. Now there is a wide range of ATEX approved submersible pumps that conform to the 94/9/CE Directive."

Other suitable applications for ATEX pumps include hydrocarbon-laden water; corrosive, saline and high temperature conditions. Geoquip regularly recommend the ATEX multistage centrifugal electric 4" submersible borehole pumps, available with technopolymer inter-

ronments and the most difficult applications," said Mike Deed, Managing Director. "Only recently we supplied a package solution comprising pump, Wellmaster flexible rising main and some logging to a drinks manufacturer as part of their complex water supply system."

Geoquip has been providing end-to-end export services and whole project equipment solutions for the overseas water industry for the last twenty years. "We have a wealth of experience in fulfilling bespoke project requirements and exporting them to remote parts of the world, particularly where conditions and logistics can be difficult," said Ian Rowles, Geoquip's Technical Manager.

Geoquip has also seen a rise in requests for custom made and bespoke pumps for specialist applications. These are usually for industrially and environmentally sensitive applications as the drive towards tighter regulations continues.

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