

Case History

SAS Mud Pit Cleanup (North Sea).



Products:- SAS102C, SAS116B, SAS117SC, SAS135SC

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Surface Active Solutions was requested to supply their Terminator pit cleaning and WBCU product to clean the mud pits, lines and rig floor of a drilling rig in the southern sector of the North Sea on behalf of a major North Sea Operator to allow the switch from oil based mud to brine for completion. The mud pit cleaning job was carried out by a leading service company.
SAS Treatment.
The SAS Terminator wash fluid was made up as a 10% solution in 65 bbls of seawater and this fluid alone was used to clean all the mud pits, lines and rig floor to a bare metal finish. At the end of the cleaning exercise a total of 78 bbls of waste water was returned to shore as compared to a previous treatment that typically produced about 800 bbls of wash water. Although the SAS chemical cost more per litre than previously used chemicals this cost was completely offset by the overall reduction in cost of the containment, transport and treatment of the reduced volume of waste water produced.

- The SAS product enabled the wash fluid to be recovered and recycled.
- The SAS product does not form emulsion wastes or rag layers.
- The produced waste volume was reduced by 90%.
- The overall job cost was reduced by over 70% resulting in savings to the operator of circa £20,000.



Photographs of mud pits prior to SAS cleanup (Above) and post cleanup using SAS microemulsions technology (Below).

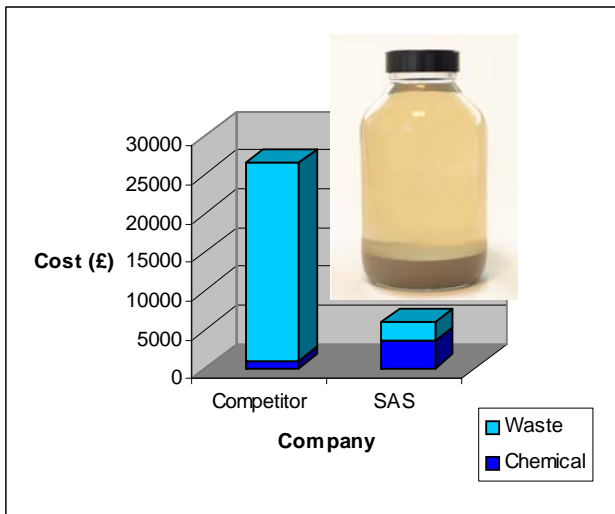


Chart and Photograph to show the comparative job cost benefits of implementing SAS ME Technology. Notice that the solids removed can be settled out of solution enabling recycling of the wash fluid. This in turn may be split to minimise waste production still further.

Statistics
Above calculations are made on the assumption that the cost of waste containment, transport, treatment and disposal are = £200 PMT waste produced. The calculations do not include an allowance for the additional reduction in the cost of rig and support vessel time.
<ul style="list-style-type: none"> • The SAS product is water soluble unlike competing organic based products. • The SAS product cleaned to brine standard. • The SAS product flocculates the solids and allows them to be rapidly removed out from solution under gravity.

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