

ENVIROUNIT

Offshore slop water treatment system

Collects and segregates the waste stream at the source and through to final treatment



Waste Reduction:

- Reduces waste stream by up to 95%
- Enables onsite discharge of clean and fully compliant water

Emissions Reduction:

- Reduces emissions associated with waste handling and transportation by up to 87%

Applications

Nearly all slop types treated at offshore rig sources

How it improves wells

- Reduces offshore drilling waste stream by up to 95%
- Diminishes transportation requirements
- Recycles, reuses oil- and synthetic-based drilling fluids
- Lowers landfill disposal requirements and liabilities
- Decreases personnel requirements
- Is fully certified to applicable standards
- Enables complete waste stream traceability
- Curtails supply boat down time for tank cleaning after slop water transport
- Minimizes need to clean supply boat tanks and eliminates associated waste production

How it works

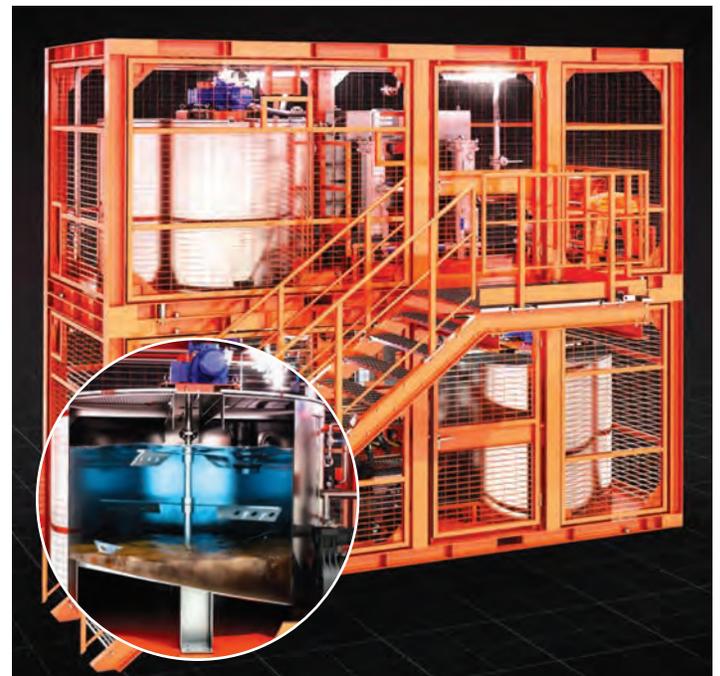
The ENVIROUNIT* offshore slop water treatment system is an uncomplicated and easy-to-operate technology that begins with collecting and segregating waste streams at their source, and continues through to final flocculation and treatment. One tank is dedicated for collecting lightly contaminated and dischargeable liquids, such as rainwater and free water, while another tank stores heavily contaminated liquids, such as the sediments from tank cleaning. Because of different treatment methods, oil-based mud (OBM) and water or water-based mud (WBM) slop are collected and stored in separate tanks. From there, operation of the ENVIROUNIT system follows a four-step process, which spans from separation tanks where emulsion breakers are employed to separate recoverable water, to the flocculation tank for agitation, and then additional separation. The stream is then directed through polishing filtration. The final step is separating the solids for pressing.

Features

- Two layouts available for different space and treatment requirements
- Open- or enclosed-skid designs
- Capable of using existing pit and mixing systems if necessary
- Meets DNV 2.7.1, NS5820, NORSOK, and ATEX certifications
- Complete pre-discharge testing of cleaned fluid for hydrocarbon content
- Treatment of well cleanup interfaces

Additional information

ENVIROUNIT system is a rig-based solution for reducing your drilling waste stream. Conventional management of offshore drilling slop is costly and wasteful. Whether it comprises contaminated drilling and completion fluids, cleaning residue from the rig pits, tanks, pipes and decking, or even collected rainwater, all slop must be shipped to shore for treatment and disposal, or else be reinjected offshore. Compounding high transportation costs, shipping to shore requires the vessel to be cleaned thoroughly after offloading, further increasing costs and the overall waste stream. ENVIROUNIT system mitigates these slop-treatment issues.



ENVIROUNIT offshore drilling slop water treatment system can be installed on a new build or retrofitted to existing rigs and requires only one operator.