

DRILLING WASTE MANAGEMENT



 **Xi'an, China**

energy  **Q1**
Registered
Manufacturer

WASTE MANAGEMENT SYSTEM

Drilling Waste Management System

Drilling Waste Management (DWM) is a vital part of oil and gas drilling.

Solids control is a technique used in well drilling to supply conditioned drilling fluids to drilling rigs.

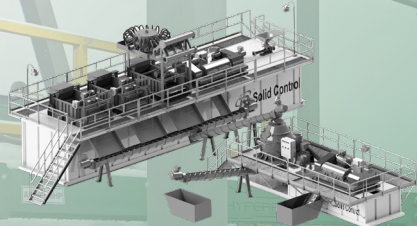
A **drilling cuttings management system** separates drilling fluids from cuttings and reclaims the fluids for reuse.



Management System

Drilling Waste Management (DWM) aims to maximize recycling of drilling fluids and minimize drilling waste to reduce operator costs.

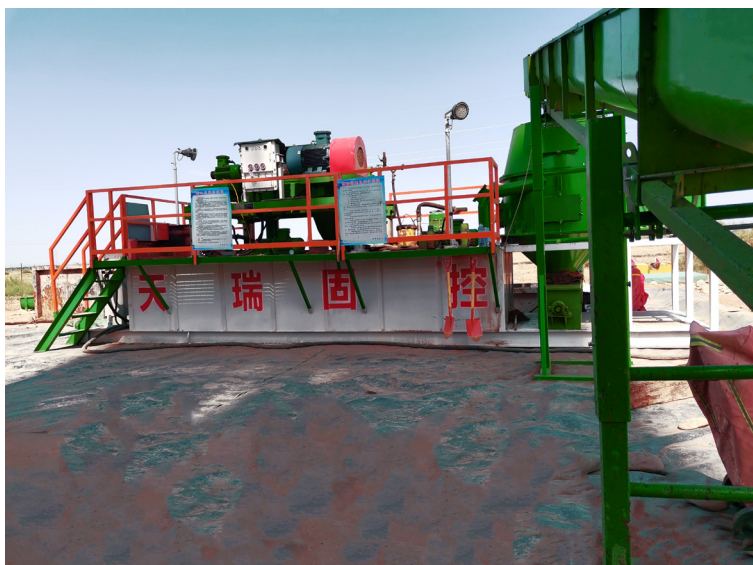
Although there are two primary methods to recover drilling cuttings, their purpose is the same.



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Advantage of Drilling Waste Management System

- For oil-based drilling cuttings, treatment can typically reduce the oil content to 3%-5%.
- For water-based drilling cuttings, it normally reduces moisture content to facilitate transportation.
- Additionally, drilling fluids are recycled for reuse to reduce operational costs.



DRILLING WASTE MANAGEMENT SYSTEM

mainly including cutting dryer horizontal decanter centrifuge, transfer pump,etc

S/N	S/N	Description
1	Vertical Cuttings Dryer	TRCD930 with option for VFD or fixed speed
2	Decanter Centrifuge	TRGLW355Centrifuge 14inch bowl,Optional model as below: TRGLW355 Centrifuge with VFD drive. TRGLW355 standard with fixed speed
3	Screw Pump	Two sets TRG30A-075 Screw Pump with capacity:30m³/h for each pump. One for taking fluids from catching tank to feed the decanter centrifuge,the other for flushing the Vertical dryer.
4	Skid with catching tank	Fast move skid for mounting all the equipment One Catching tank with capacity:4m³ for catching fluid from vertical cuttings dryer.
5	Telescopic Skid	Two telescopic skid with walkways and handrails for safe operation. One for mounting the decanter centrifuge to a higher position in order to allow the centrifuge discharged fluids feed to active mud system by gravity. The other telescopic skid for mounting and adjusting the height of the vertical cutting dryer to allow the discharge of drying cuttings
6	Electric Cradle	0.5 Tons electric cradle for lifting the components of vertical dryer
7	Electric Control System	Two lighting system,electrical control boxes and cables and plugs for operation the complete system.

1. Screw conveyor or vacuum transfer pump to feed material to vertical cutting dryer.
- 2.Vertical cutting dryer handle the oil based mud to less than 5% OOC (oil on cuttings),cuttings are discharged, oil are recycled.
3. Decanter centrifuge recover the useful drilling fluids from the mud.
- 4.TR Solid Control is the professional API&ISO certified solids control and drilling waste management system including complete equipments manufacturer in China.Welcome customers from all over the world to visit us and cooperate with us!





Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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