



Recovery and Reuse of **DRILLING WASTES**

MUDS • CUTTINGS • APPLICATIONS • DRYING • BENEFITS • SOLUTIONS

1015 W. Highway 24, Moberly, MO, USA • +1 (660) 263-7474 • www.vulcandryingsystems.com • sales@vulcandryingsystems.com



DRILLING MUDS

Also referred to as drilling fluids, drilling muds are a common waste produced in oil and gas operations. Drilling muds are utilized to control subsurface pressures, lubricate drill bits, stabilize well bores and transport drill cuttings to the surface.

Types of drilling muds include:

- Oil-Based Muds (OBMs)
- Water-Based Muds (WBMs)
- Synthetic-Based Muds (SBMs)

DRILL CUTTINGS

Drill cuttings are small pieces of rock that are created when a bore is drilled in order to reach an oil reservoir. These cuttings vary in size and texture, ranging from fine sand to gravel.

While most drill cuttings are disposed of after the drilling operation is completed, they can also be treated for beneficial reuse. For drill cuttings to be appropriately re-used, it is essential to ensure that the hydrocarbon content, moisture content, salinity, and clay content are suitable for the intended use.

APPLICATIONS FOR RECYCLED DRILL CUTTINGS

- Road spreading to stabilize roads and drilling pads
- Alternatives to tar-and-chip road surfacing
- Fill material and daily cover at landfills
- Aggregate in concrete, brick, and block manufacturing
- Cement production

DRYING DRILLING WASTES

Indirect-fired rotary kilns are used in thermal desorption. These kilns utilize hot exhaust gases from fuel combustion to heat drilling muds and drill cuttings.

BENEFITS TO DRYING DRILLING WASTES

- Reduction of volume
- Limit waste that has to be transported and disposed
- Recover reusable drilling fluids

VULCAN DRYING SYSTEMS SOLUTION

Vulcan Drying Systems supplies equipment for drilling waste solutions. Our team can build a dryer to best fit your specific project needs. Our services include setup, commissioning, training, and maintenance support over the lifetime of a project.

For more information on Vulcan Drying Systems email us at sales@vulcandryingsystems.com or call us at +1 (660) 263-7474.

