

# Onshore Drilling Waste Management Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

The Global Onshore Drilling Waste Management Market was valued at USD 3.5 billion in 2024 and is estimated to grow at a CAGR of 7.9% to reach USD 7.6 billion by 2034, driven by the stringent environmental regulations. Governments and global agencies are enforcing more comprehensive rules to mitigate the environmental impact of drilling activities. Regulations require oil and gas operators to adopt responsible waste management practices to reduce the negative effects on soil, water, and air quality. Agencies such as the U.S. Environmental Protection Agency (EPA) and the European Environment Agency (EEA) have implemented robust frameworks that mandate the proper treatment, recycling, or disposal of drilling waste. These regulations also address the handling and storing drilling by-products like mud and cuttings.

The need for eco-friendly waste management solutions has intensified as oil and gas exploration expands into more ecologically sensitive areas, such as Arctic regions or near residential zones. As a result, drilling operators are under pressure to deploy advanced technologies like solidification/stabilization, thermal desorption, and bioremediation to minimize the environmental footprint of their activities. In addition, global demand for energy, particularly in developing regions, continues to drive onshore oil and gas exploration and production. Countries leverage their onshore reserves to reduce dependence on foreign energy sources and enhance domestic energy security.

In 2024, treatment and disposal services accounted for a significant share of the market, capturing 57.9% due to the growing emphasis on reducing harmful emissions and managing waste in an environmentally responsible manner. Treatment and disposal services involve processing drilling waste to reduce its toxicity and volume before final disposal. Techniques like thermal desorption, bioremediation, and chemical

treatment are widely adopted to treat drilling waste more efficiently, which has fueled market expansion in recent years.

U.S. Onshore Drilling Waste Management Market was valued at USD 700 million in 2024, driven by increased drilling activities and the escalating need for efficient waste management solutions. As oil and gas exploration intensifies, particularly with new drilling operations, the amount of drilling waste produced has surged, leading to heightened demand for innovative, environmentally responsible methods for waste treatment and disposal. This growth is further spurred by tightening environmental regulations, requiring operators to adopt more advanced technologies and waste management practices to minimize environmental impact.

Key players in the Global Onshore Drilling Waste Management Market include: Baker Hughes, CLEAN HARBORS, INC., Augean Plc, Derrick Equipment Company, GN Solids Control, Geminor, Halliburton, Imdex Limited, Newpark Resources Inc., Ridgeline Canada Inc., Schlumberger, Secure Energy Services, Inc., SELECT WATER SOLUTIONS, Soli-Bond, Inc., TWMA, Weatherford, NOV Inc. To enhance their market position, companies in the onshore drilling waste management sector focus on technological innovation, expanding service offerings, and improving operational efficiency. Many firms are incorporating advanced waste treatment technologies like thermal desorption and bioremediation to enhance the effectiveness of their services. Additionally, they are diversifying their service portfolios to include comprehensive waste management solutions, ranging from waste disposal to recycling, to meet the increasing demand for environmentally friendly options. Companies are also strengthening their partnerships with oil and gas operators to ensure long-term contracts and improve customer loyalty.

### **Companies Mentioned**

Augean Plc, Baker Hughes, CLEAN HARBORS, INC., Derrick Equipment Company, Geminor, GN Solids Control, Halliburton, Imdex Limited, Newpark Resources Inc., NOV Inc., Ridgeline Canada Inc., Schlumberger, Secure Energy Services, Inc., SELECT WATER SOLUTIONS., Soli-Bond, Inc., TWMA, Weatherford

## Contents

### CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
  - 1.4.1 Primary
  - 1.4.2 Secondary
    - 1.4.2.1 Paid
    - 1.4.2.2 Public

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

### CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Trump administration tariffs analysis
  - 3.2.1 Impact on trade
    - 3.2.1.1 Trade volume disruptions
    - 3.2.1.2 Retaliatory measures
  - 3.2.2 Impact on the industry
    - 3.2.2.1 Supply-side impact (raw materials)
      - 3.2.2.1.1 Price volatility in key materials
      - 3.2.2.1.2 Supply chain restructuring
      - 3.2.2.1.3 Production cost implications
    - 3.2.2.2 Demand-side impact (selling price)
      - 3.2.2.2.1 Price transmission to end markets
      - 3.2.2.2.2 Market share dynamics
      - 3.2.2.2.3 Consumer response patterns
  - 3.2.3 Key companies impacted
  - 3.2.4 Strategic industry responses
    - 3.2.4.1.1 Supply chain reconfiguration
    - 3.2.4.1.2 Pricing and product strategies
    - 3.2.4.1.3 Policy engagement
  - 3.2.5 Outlook and future considerations

- 3.3 Regulatory landscape
- 3.4 Industry impact forces
  - 3.4.1 Growth drivers
  - 3.4.2 Industry pitfalls & challenges
- 3.5 Growth potential analysis
- 3.6 Porter's analysis
  - 3.6.1 Bargaining power of suppliers
  - 3.6.2 Bargaining power of buyers
  - 3.6.3 Threat of new entrants
  - 3.6.4 Threat of substitutes
- 3.7 PESTEL analysis

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2025**

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Strategic dashboard
- 4.4 Strategic initiative
- 4.5 Competitive benchmarking
- 4.6 Innovation & technology landscape

## **CHAPTER 5 MARKET SIZE AND FORECAST, BY SERVICE, 2021 - 2034 (USD BILLION)**

- 5.1 Key trends
- 5.2 Solid control
- 5.3 Containment & handling
- 5.4 Treatment & disposal
- 5.5 Others

## **CHAPTER 6 MARKET SIZE AND FORECAST, BY REGION, 2021 - 2034 (USD BILLION)**

- 6.1 Key trends
- 6.2 North America
  - 6.2.1 U.S.
  - 6.2.2 Canada
- 6.3 Europe
  - 6.3.1 Germany

- 6.3.2 France
- 6.3.3 UK
- 6.3.4 Spain
- 6.3.5 Italy
- 6.4 Aisa Pacific
  - 6.4.1 China
  - 6.4.2 India
  - 6.4.3 Japan
  - 6.4.4 Australia
  - 6.4.5 South Korea
- 6.5 Middle East & Africa
  - 6.5.1 Saudi Arabia
  - 6.5.2 South Africa
  - 6.5.3 UAE
- 6.6 Latin America
  - 6.6.1 Brazil
  - 6.6.2 Argentina

## **CHAPTER 7 COMPANY PROFILES**

- 7.1 Augean Plc
- 7.2 Baker Hughes
- 7.3 CLEAN HARBORS, INC.
- 7.4 Derrick Equipment Company
- 7.5 Geminor
- 7.6 GN Solids Control
- 7.7 Halliburton
- 7.8 Imdex Limited
- 7.9 Newpark Resources Inc.
- 7.10 NOV Inc.
- 7.11 Ridgeline Canada Inc.
- 7.12 Schlumberger
- 7.13 Secure Energy Services, Inc.
- 7.14 SELECT WATER SOLUTIONS.
- 7.15 Soli-Bond, Inc.
- 7.16 TWMA
- 7.17 Weatherford

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