

U.S. Sludge Management And Dewatering Market Size, Share & Trends Analysis Report By Category (CWT, Onsite Facilities), By Source (Municipal, Industrial), By Services, And Segment Forecasts, 2023 - 2030

<https://marketpublishers.com/r/UC6EC69D908DEN.html>

Date: January 2023

Pages: 156

Price: US\$ 5,950.00 (Single User License)

ID: UC6EC69D908DEN

Abstracts

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U.S. Sludge Management And Dewatering Market Growth & Trends

The U.S. sludge management and dewatering market size is expected to reach USD 3.88 billion by 2030, according to a new report by Grand View Research, Inc. The market is expected to expand at a CAGR of 2.1% from 2023 to 2030. Growth in the sludge management & dewatering market is significantly driven by the expansion and development of the service availability across the U.S.

Over the last decade, the wastewater treatment industry in the U.S. has been rising continuously on the account of increased government funding and initiatives. This has in turn also generated a huge amount of sludge as a by-product. Over the forecast period, the rising number of wastewater treatment plants is likely to drive the growth of the demand for sludge management services.

According to the Centers for Disease Control and Prevention, approximately 21% of U.S. citizens use on-site sewage disposal systems. Additionally, a rising number of end users opting for onsite treatment facilities for proper sanitation methods is also expected to augment the demand for sludge treatment facilities over the forecast period.

Moreover, growth in industrial manufacturing and expansion of industrial facilities are leading to increased wastewater generation which in turn demands the need for

treatment facilities. These rising industrial activities are expected to generate more sludge and propel the growth of the sludge management and dewatering industry over the projected timeframe.

The COVID-19 outbreak had a mixed impact on the waste management market. Due to the countrywide lockdown and restriction, industrial output declined significantly also reducing the generation of industrial sludge. However, the municipal usage of water increased, giving a push to the generation of wastewater and sludge, requiring increased management and treatment during the pandemic.

Companies in the industry are focusing on mergers & acquisitions, joint ventures & partnerships, research & development, and expansions to strive the market competition and increase revenue generation. For instance, The EchoWater Project in California is expected to be completed by 2023, which will have a biological nutrient removal activated sludge facility among others.

U.S. Sludge Management And Dewatering Market Report Highlights

The CWT category segment led the market with a revenue share of 93.5% in 2022. The majority of municipal and industrial sludge treatment is done by the centralized system due to its economic nature and widespread availability

Onsite facilities segment is expected to register significant growth over the forecast period, with a CAGR of 4.0%. The rising awareness about the onsite treatment technology among the end users is anticipated to drive growth

Municipal source segment accounted for the largest revenue share of 51.8% in 2022. This is highly attributed to the higher generation rate of bio-solids from wastewater treatment facilities

Collection & hauling service segment held the dominating share of 41.6% in terms of revenue share in 2022. The high cost of the collection and hauling services of the sludge is the factor responsible for the higher market share

In February 2022, Centrisys Corporation announced that it has secured a contract from New York City wastewater treatment facility locations to provide maintenance and repairs for 83 existing decanter centrifuges

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