

North America Industrial Waste Management - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The North America Industrial Waste Management Market size is estimated at USD 30.33 billion in 2024, and is expected to reach USD 41.35 billion by 2029, growing at a CAGR of 6.35% during the forecast period (2024-2029).

North America has several benefits over other regions, such as more cost-effective industrial waste management processes and a growing significance of a clean environment and zero pollution. The region's principal end consumers of industrial wastewater management are electricity, pharmaceuticals, municipal, pulp, paper, food and beverage, oil and gas, and refineries.

A huge amount of waste is generated in the region, which fuels the growth of the North American waste management market. In addition, the development of the North American waste management industry is primarily driven by the growth in population in the region. In addition, stringent government regulations in the U.S. and Canada led to an increase in the collection and disposal of industrial waste.

The United States is one of the largest producers of waste worldwide, and as such, waste management is a major industry in the country. In 2022, the revenue of waste management services in the U.S. surpassed 140 billion U.S. dollars after a decade of continuous growth. U.S. waste is regulated by the Environmental Protection Agency (EPA) under the 1976 Resource Conservation and Recovery Act (RCRA).

However, inadequate waste disposal and labor-intensive and high cost of transportation are anticipated to restrain the North American industrial waste management market. On the other hand, the implementation of advanced waste management practices is

expected to grow during the forecast period.

North America Industrial Waste Management Market Trends

Oil and gas Production is Expected to Dominate the Market

Rising waste generation during natural gas and crude oil exploration and production, coupled with increasingly stringent regulatory bodies, improves the demand for industrial waste management services in oil and gas production units. North America's oil production amounted to 25.3 million barrels per day in 2022, up from some 24 million barrels daily in the prior year, according to the Energy Institute.

According to the American Petroleum Institute (API), every foot drilled in the U.S. generates roughly 1.21 barrels of total drilling waste. Solid drilling trash accounts for roughly half of the total drilling waste. Approximately 139,961,305 barrels of solid drilling waste are generated, equivalent to 29,097,984 cubic yards of solid drilling trash.

Wastes generated during natural gas and crude oil exploration and production are regulated under state and RCRA regulations. Many state governments have specific regulations and guidance for the exploration and production of waste. In addition, some states have established legislation and regulations, including waste management standards, in reaction to the increased usage of hydraulic fracturing.

Moreover, gas and oil producers have experimented with novel techniques that combine horizontal drilling with increased stimulation in recent years. The profile of oil and gas wastes has changed due to these new processes, known as fracking, both radioactivity and volume produced. Naturally occurring radionuclides, also known as Naturally Occurring Radioactive Materials (NORM), are found in geologic strata that contain oil and gas resources.

Therefore, authorities such as the EPA and the FAO have established regulatory limits. For example, the EPA published the Oil and Gas Extraction Effluent Guidelines and Standards, including waste emissions from field exploration, drilling, production, and well management activities on land, coastal areas, and offshore. As a result, industrial plants are pushed to construct waste management plants and maintain them regularly

United States Witnessing Lucrative Growth

The expanding population and increased globalization have increased waste volume, pushing the industrial waste management industry forward in the United States. Unlawful dumping, increased pollution, and increased environmental awareness have all contributed to the strong growth of the market. Furthermore, rising industrialization in the United States, which generates large amounts of waste, propels the industrial waste management market forward. Moreover, the implementation of stringent government norms is expected to fuel the industrial waste management industry's growth.

For instance, the Environmental Protection Agency (EPA) has set out guidelines for disposing of various types of industrial and hazardous waste in the US. Failing to adhere to these federal and local regulations can result in strict penalties, including civil penalties of up to USD 70,117 per day per violation.

Moreover, many of the largest waste management companies worldwide are based in the U.S., such as industry giants Waste Management Inc. and Republic Services. Headquartered in Houston, Texas, Waste Management Inc. generated a revenue of roughly 20 billion U.S. dollars in 2022. Through its subsidiaries, the company operates a large network of landfills and waste management services across the U.S. and Canada. Meanwhile, Arizona-based Republic Services generated revenue of some 13.5 billion U.S. dollars in 2022. Combined, the two companies account for roughly half of the landfill volume managed in the U.S. Owing to the above factors, the United States is expected to dominate the North American Industrial Waste Management Market.

North America Industrial Waste Management Industry Overview

The North American industrial waste management market is highly fragmented, with a mix of global and local players, which makes the sector highly competitive. Some of the major players present in the market include Waste Connections, Casella Waste Systems, Inc., Aevitas, Rumpke Waste & Recycling, Republic Services, Inc., FCC Environment Limited, Biffa, and many more.

The major companies are adopting several growth strategies, such as expanding their recycling capabilities, acquisitions, and collaborations, contributing to the market growth of North American industrial waste management. For instance, in June 2023, Republic Services, Inc., one of the leaders in the environmental services industry, announced that it had completed its acquisition of GFL Environmental's Colorado and New Mexico

operations.

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Contents

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET INSIGHTS

- 4.1 Market Overview
- 4.2 Industry Value Chain/Supply Chain Analysis
- 4.3 Government Regulations and Initiatives
- 4.4 Technological Trends
- 4.5 Trends on Sustainability in Industrial Waste Management
- 4.6 Impact of COVID-19 on the Market

5 MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Stringent Government Regulations
 - 5.1.2 Increasing Number of Industries
- 5.2 Market Restraints/Challenges
 - 5.2.1 High Waste Disposal Cost
 - 5.2.2 Lack of Adequate Waste Management Facilities
- 5.3 Market Opportunities
 - 5.3.1 Increasing Focus on Developing Advanced Technologies
 - 5.3.2 Rising Environmental Awareness
- 5.4 Industry Attractiveness - Porter's Five Forces Analysis
 - 5.4.1 Bargaining Power of Suppliers
 - 5.4.2 Bargaining Power of Buyers/Consumers
 - 5.4.3 Threat of New Entrants
 - 5.4.4 Threat of Substitute Products
 - 5.4.5 Intensity of Competitive Rivalry

6 MARKET SEGMENTATION

6.1 By Type

- 6.1.1 Construction and Demolition Waste
- 6.1.2 Manufacturing Waste
- 6.1.3 Oil and Gas Waste
- 6.1.4 Other Waste (Chemical Waste, Mining Waste, Agriculture Waste, Nuclear Waste)

6.2 By Service

- 6.2.1 Recycling
- 6.2.2 Landfill
- 6.2.3 Incineration
- 6.2.4 Other Services

6.3 By Country

- 6.3.1 United States
- 6.3.2 Canada
- 6.3.3 Rest of North America

7 COMPETITIVE LANDSCAPE

7.1 Market Concentration and Market Share Analysis

7.2 Company Profiles

- 7.2.1 Waste Connections
- 7.2.2 Casella Waste Systems, Inc.
- 7.2.3 Aevitas
- 7.2.4 Rumpke Waste & Recycling
- 7.2.5 Republic Services, Inc.
- 7.2.6 FCC Environment Limited
- 7.2.7 Biffa
- 7.2.8 Stericylce
- 7.2.9 Veolia North America
- 7.2.10 Waste Management Inc.
- 7.2.11 Covanta
- 7.2.12 Clean Harbors Inc.*

8 FUTURE OF THE MARKET

9 APPENDIX

9.1 GDP Distribution, by Activity

9.2 Insights on Capital Flows

9.3 External Trade Statistics - Export and Import, by Product

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