



# Environmental Solutions

SERVICES OVERVIEW



**REPUBLIC**  
SERVICES

Sustainability in Action

Partnering with customers to create a more sustainable world



# Our Environmental Solutions Nationwide Footprint

Republic Services' extensive Environmental Solutions footprint allows us to support your environmental services needs safely and sustainably. With more than 175 dedicated Environmental Solutions locations in North America, as well as hundreds of emergency response locations worldwide, our teams of professionals stand ready to handle your most complex jobs while ensuring safety and regulatory compliance.



\*Additional service locations in Puerto Rico, the U.S. Virgin Islands, the United Kingdom, Turkey, Georgia and the United Arab Emirates.

## Who We Are

Republic Service is a leader in environmental services. We have a rich history of providing dependable and safe environmental services, recycling and waste, and we offer industrial, commercial and government entities the most extensive set of Environmental Solutions available from a single provider. Working with one provider helps ensure safety and regulatory compliance while minimizing liability and risk.

Through the acquisition of US Ecology, ACV Enviro and ECOFLO, Republic Services can now offer customers comprehensive Environmental Solutions including waste treatment, field and industrial services and 24/7 emergency response services. With a network of 39,000 employees and 175 environmental services locations, our customers benefit from working with an industry leader that can provide innovative solutions for hazardous and regulated waste, in addition to our recycling and waste services you have relied on for years.

With 70 years of experience and a commitment to providing innovative technologies, we build long-lasting partnerships with our customers to ensure safety, compliance and reliable service while protecting human health and the environment. Our highly trained professionals remain focused on managing complex environmental challenges. Republic Services Environmental Solutions can help with your environmental needs and partner with you to create a more sustainable world.



# We Serve Your Industry



## Manufacturing: Automotive, Defense, Aerospace and more

We provide a single point of contact to internally manage nearly all waste needs including on-site services and total waste solutions for the transportation, recycling, treatment and secure disposal of commercial, universal, industrial, radioactive and hazardous waste. Additional services include industrial services, turnaround and shutdown work, equipment rental, emergency response and biohazardous decontamination.



## Environmental Consultants and Partners

We offer streamlined management of environmental projects through a single source. Our experts provide remediation, transportation, recycling treatment and disposal of hazardous waste, PCBs, PFAS and other emerging contaminants.



## Transportation: Airport, Rail and Trucking

An extensive fleet of specialized equipment handles emergency spills, waste transportation, hazardous and non-hazardous waste disposal and recycling, and industrial cleaning — all performed by DOT-certified technicians. Customized, award-winning, glycol-contaminated stormwater recycling programs are available for airport customers.



## Oil and Gas: E&P, Refineries and Petrochemical

Nationwide locations and new technologies offer customers metals recovery, delisting, transportation, industrial services including hydrovac, cleaning and maintenance, emergency response and OSRO standby compliance, equipment rental, remediation and hazardous waste disposal services. E&P customers also benefit from turnkey, oil- and gas-specific fluid and solid waste management and removal, treatment and disposal in E&P landfills or saltwater disposal wells.



## Health Care, Pharmaceutical and Biotech

We can promise responsible handling and secure transportation and disposal to DEA-/RCRA-permitted and VAWD-accredited facilities for over-the-counter, controlled and hazardous pharmaceuticals through customized solutions designed to reduce generator status while adhering to all regulations.



## Utilities and Energy

Innovative and highly responsive waste treatment and disposal solutions, industrial services and emergency response allow utilities and energy customers to maintain regulatory compliance and continuously power the nation without interruption.



## Steel and Metal Finishing

We streamline treatment and disposal efficiencies in the steel and metal finishing industries with a full offering of compliant solutions including hazardous and non-hazardous waste disposal, metals recovery, liquid and dry vacuum services, tank cleanings, hydro-excavation and delisting, as well as container and equipment rentals. We offer disposal solutions for PFAS contamination in accordance with EPA guidance.



## Retail, Pharmacy and Hospitality

Our team of dedicated professionals build customized retail, pharmacy and hospitality programs focused on safely managing hazardous waste to help meet compliance goals and eliminate fines while protecting the customer's reputation. We also offer customers the most sustainable recycling solution for aerosol can waste in the U.S.



## Government and Municipalities

Federal, state and local governments and agencies require regulatory compliance. We offer technologically advanced solutions for all environmental needs, including remediation, transportation and secure treatment, recycling and disposal for solid, universal, hazardous, non-hazardous, radioactive and other wastes, field and industrial services, emergency and disaster response. We also have the ability to offer residents household hazardous waste collections.



## Education

Certified field chemists perform time-saving and cost-effective lab pack services for disposal of unneeded, out-of-date or unknown chemicals. Emergency response, biohazardous decontamination and cleaning are also available to protect faculty, staff and students.



Our repeat business with Republic Services says it all. We've been partnering with them for more than 15 years because of their advanced capabilities and safe execution. Because of them, we're able to focus on our business of refining and production. They are consistent, reliable and an integral part of the work we do."

# Our Values

Republic Services isn't just the products and services it provides to customers. It's also how we provide those products and services. Our vision is to partner with customers to create a more sustainable world. This means protecting human health and the environment, and delivering a comprehensive set of environmental solutions offerings.



**Safe**  
We protect the livelihoods of our colleagues and communities.



**Committed to Serve**  
We go above and beyond to exceed our customers' expectations.



**Environmentally Responsible**  
We take action to improve our environment.



**Driven**  
We deliver results in the right way.



**Human-Centered**  
We respect the dignity and unique potential of every person.

# Customer Service

Republic Services provides the industry's most integrated and comprehensive Environmental Solutions and emergency response. We want our customer service to match. Our team of highly trained customer service professionals provides responsive and knowledgeable support. With one phone call our Environmental Solutions representatives will work to quickly and efficiently engineer a solution and deploy the right resources to meet the customer's needs.

## Data and Reporting: A Difference Maker in the Industry

Republic Services online application allows customers to manage industrial services and environmental waste needs from any device. Comprehensive and interactive dashboards streamline functions and reporting features for easy, efficient and compliant management of waste services across facilities.

Our customer retention rate is 95%.

# Safety

The very nature of our business requires us to prioritize safety. Our company's top value is to be safe, and for good reason. Our employees can tell you that safety is our top priority, emphasizing the importance of protecting the livelihoods of our colleagues, customers and communities right from the start. Our commitment to safety starts with our people: employees with strong operational skills.

Safety Amplified is our overarching safety platform that provides training, tools and resources to help keep our employees and customers safe. Six focus areas help ensure that safety is embedded into everything we do as we collectively work toward our most important goals.



## Leaders in Safety

Safety is a top priority across all of our operations. Our OSHA Total Recordable Incident Rate (TRIR) is consistently lower than the industry average.

## Total Recordable Incident Rate

**1.26**

TRIR based on 2021 US Ecology data compared to 3.2 industry average

# Sustainability



Environmental sustainability requires responsible actions to avoid depletion or degradation of natural resources, as well as proactive protection of our environment over the long term. Improper waste management and chemical releases can expose our communities to unacceptable risks and harm natural ecosystems.

Republic Services provides customers a single partner to manage their multiple waste streams efficiently and help them meet their own sustainability goals. We now offer a national footprint of vertically integrated assets, from hazardous waste recycling treatment or disposal, to secure transportation, emergency response, remediation, field and industrial services, and E&P services.

We identify environmentally focused solutions that achieve regulatory compliance, while offering customers sustainable alternatives via new waste reduction, recycling or reuse technologies. These compliant and safe technologies allow customers the opportunity to achieve ESG performance improvements, while protecting the communities in which they work and live.

Our dedicated sales and customer service teams work in partnership with customers to understand their environmental needs, appreciate their sustainability goals and ultimately, find innovative, customized solutions that work.



## Environmental Solutions Sustainability at a Glance



**66M**

POUNDS OF  
MATERIALS  
RECYCLED IN 2021



**4.2B**

POUNDS OF  
HAZARDOUS WASTE  
MANAGED IN 2021



**56M**

GALLONS OF  
WASTEWATER  
TREATED IN 2021



**2M**

GALLONS OF OIL  
RECYCLED IN 2021



**5.1M**

POUNDS OF GLYCOL  
RECYCLED IN 2021



**25.7M**

POUNDS OF METALS  
RECOVERED IN 2021

\* Environmental Solutions data only, based on US Ecology 2021 operations

# Treatment and Disposal

Republic Services' large network of owned and operated treatment, disposal and recycling facilities offers sustainable, safe and cost-effective solutions for all hazardous and non-hazardous waste streams including PFAS, PCBs, NORM/TENORM radioactive, inorganic, metals and industrial waste. Our RCRA-, subtitle C-, and TSCA-permitted facilities ensure compliance with all regulations, and our recycling innovations help our customers achieve their sustainability goals.



600+ federal and state waste codes accepted



Innovative recycling solutions



Advanced treatment technologies



Transparent pricing



Hazardous and non-hazardous waste disposal



Compliance and safety

## Secure Disposal Landfill Services

Republic Services offers the widest range of disposal solutions for hazardous and non-hazardous waste streams through a nationwide network of owned and operated RCRA-, subtitle C-, and TSCA-permitted landfills.

## Solid Waste Treatment

We specialize in providing essential treatment services for hazardous and non-hazardous solids, sludges and debris with the largest waste treatment and disposal capacity in the industry to destroy or remove hazardous constituents.

## Wastewater Treatment

Our comprehensive wastewater management provides environmentally safe solutions for all types and concentrations of wastewater including metal, acid, base, organic, cyanide, suspended solids, petroleum-contaminated water, latex, water-based paints, industrial process wastes, tank rinse and used oil.

## Hazardous and Non-Hazardous Injection Well

Utilizing injection technology, our deep-wells offer a secure and cost-effective alternative to traditional wastewater treatment. This type of disposal is ideal for all Class 1 and Class 2 non-hazardous industrial waste.

## Total Waste Solutions

Our customized Total Waste Solutions program offers large manufacturing and industrial companies a turnkey waste solution from a single provider, tied to their specific environmental goals.

## Radioactive Waste Solutions

We provide customers with cost-effective, safe and secure disposal options for low-level and low-activity radioactive waste.

## PCB Waste Services

We provide safe and compliant disposal solutions at TSCA-permitted facilities for higher level PCB concentrated waste.



# Treatment and Disposal

Continued

## PFAS Solutions

Republic Services offers a variety of solutions to safely isolate the PFAS molecule and achieve compliance with regulatory guidance of PFAS-contaminated waste including secure disposal in arid climate landfills, deep-well injection, thermal, carbon filtration and more.

## Thermal Recycling

With both thermal desorption units and thermal treatment technologies, we provide regulatory compliant thermal solutions of non-hazardous contaminated soils, liquids, sludges and sediments as a more sustainable and cost-effective solution over incineration for recoverable organic waste.

## Metals Recovery

Metals recovery reclaims valuable metal residues from selected waste streams, providing a sustainable and economical alternative to traditional disposal methods.

## Aerosol Recycling

Our patent-pending aerosol recycling technology recycles 100% of the can and its components while producing recyclable metal, reusable alternative and liquid fuels with zero emissions.

## NMP Recycling

Republic Services offers a recycling program to manage spent N-Methyl-2-Pyrrolidone (NMP), a non-hazardous solvent used in the lithium-ion battery manufacturing process.

## Glycol Recovery

State-of-the-art distillation technology allows us to receive used glycol and distill it back to virgin equivalent glycol as a base for our various ethylene and propylene glycol products.



ENVIRONMENTAL SOLUTIONS

# Field and Industrial Services

Let our experts support your field and onsite environmental needs with a wide variety of field and industrial services. Our highly trained professionals, state-of-the-art IT systems and transportation and equipment assets, combined with our industry leading disposal capabilities enable us to provide you the support you need to achieve safety and compliance for even the most complex projects.



State-of-the-art equipment and professionally trained team members



Customized solutions for small to large, complex projects



Turnkey services including industry-leading disposal and recycling capabilities

## Remediation

We partner with government and environmental engineering and consulting firms for waste segregation, profiling, excavation, loading, transportation and disposal needs of contaminated soils and other hazardous and non-hazardous materials through compliant solutions, innovative technologies and experienced project management.

## Retail Solutions

Our customized programs focus on safely managing hazardous, non-hazardous, pharmaceutical and petroleum-station waste while achieving compliance, eliminating fines, leveraging data to increase donation and reuse, and protecting the reputation of national retailers and chain stores.

## Lab Pack

We offer turnkey options for disposal of unneeded, out-of-date or unknown chemicals in classrooms, laboratories or storage closets.

## Onsite Services

Our dedicated onsite professionals respond to service needs and implement your environmental programs, helping you achieve operational and sustainability goals.

## Waste Transportation

An extensive fleet of licensed waste-hauling vehicles manages your waste from point of generation to final treatment, disposal or recycling, ensuring safety and compliance across all regulatory agencies while minimizing cost and liability.

## Gun Range Cleaning

Our highly trained professionals provide safe cleaning, removal and disposal services for all hazardous materials at indoor and outdoor ranges used by the government, military, DOD, municipalities and private industry across the nation.

## Household Hazardous Waste

Republic Services is a proficient Household Hazardous Waste (HHW) management contractor with significant experience working with municipalities across the country.



# Field and Industrial Services

Continued

## Industrial Cleaning and Maintenance

Our technicians utilize an extensive fleet of specialized equipment and materials to handle all levels and types of cleaning. We also specialize in confined-space entry and rescue for tank and vessel cleaning, as well as facility decontamination.

## Turnaround and Shutdown Work

Trained professionals remove hazardous materials during a planned shutdown by performing a variety of industrial services including cleaning, maintenance and preventative care or regeneration of facility assets and equipment to optimize efficiencies and safety when operations resume.

## Equipment Cleaning

Our equipment cleaning service saves time and reduces liability by pairing equipment cleaning with safe and compliant disposal of waste residuals.

## Marine and Terminal Services

Our marine and terminal services focus on the response, civil construction and industrial cleaning services needs of maritime shipping, port authorities, tug and barge operators, ports and marinas and entities within the DOD and DOT, as well as remediation and emergency response within terminals.

## Hazardous Substances Abatement

Republic Services routinely performs abatement of friable and non-friable asbestos and other regulated building materials including lead, gypsum, mold, heavy metals, PCB and guano to support industrial cleaning and maintenance, renovation and demolition projects.

## Equipment Rental

We provide clean and dependable equipment rentals to industrial transporters, manufacturers, automotive suppliers, chemical processors, refineries, power plants and many other industries.



# Emergency Response Services

Republic Services has been a leader in providing reliable and compliant emergency response solutions for more than 30 years. Our national and global response programs with fully integrated services, including waste disposal, offer the convenience and reduced risk of working with a single trusted partner. When disaster strikes, you can depend on our experienced experts 24/7/365 to provide unparalleled service that minimizes environmental and operational impact of any event.



Nationwide coverage available 24/7/365



One partner from start to finish



Customized programs that fit your needs



Two-hour response time



10,000+ responses annually



Compliance and safety

## Emergency Response

Republic Services maintains a constant state of readiness with certified experts and specialized equipment, for incidents at facilities, businesses, on land, in the water, over the road and on rail across a spectrum of industries. We work together with you every step of the way, from initial mobilization through final closeout.

## Disaster Response

The experienced professionals at Republic Services are here to help you plan for unexpected natural disasters and other catastrophic events, including hurricanes and wildfires, to minimize their impact to your operations.

## Global High Hazard and Rail Response

SRS, a Republic Services company, has extensive expertise in managing large-scale emergencies for highly hazardous and volatile events such as train derailments, well and pipeline emergencies, ship fires, over-the-road incidents, industrial fires, clandestine drug labs and WMD events and drills.

## Oil Spill Response and Compliance

NRC, a Republic Services company, is the world's largest commercial OSRO and the only private contractor to hold MMPD, WCD1, WCD2 and WCD3 classifications from the United States Coast Guard, meeting federal oil spill response requirements for inland, rivers/canals and oceans.

## Biohazardous Decontamination

Protect your business and employees with a multi-faceted decontamination service plan designed to reduce the risk of additional exposure and contagion. Our team of highly trained and experienced personnel provide comprehensive service including decontamination for known or suspected COVID-19 cases, one-time or reoccurring deep cleanings and secure disposal of waste.



# E&P Services

Republic Services offers oil and gas exploration and production operations companies with our turnkey oilfield waste treatment, disposal and industrial services. These services improve efficiency, productivity and safety and are offered in the Eagle Ford, Eaglebine and Permian Basins in Texas, and throughout North Dakota and Wyoming.



Managed waste streams allowing more focus on core operations



Reduced risk, improved safety and regulatory compliance



Increased efficiencies and production uptime



Maximized profitability and reduced costs



## Energy Waste Disposal

Our oil- and gas-specific waste treatment, recovery and E&P waste disposal landfill operations (including oil drilling waste and fracking wastewater) are Texas Railroad Commission-permitted, ideally located and operate 24/7.

## Saltwater Disposal Injection Well

Republic Services provides underground injection disposal for saltwater brine, flowback and slurry generated through oil and gas E&P operations.

## Trucking

We offer E&P customers our fleet to support oil and gas waste transportation from rig sites to our E&P landfills to minimize cost while maintaining compliance.

## Equipment Rental

We offer the rental, delivery and pickup of clean and compliant E&P equipment necessary to keep rig site operations running safely, including frac tanks and fluid pumps, rail systems and roll-off boxes.

## Equipment Cleaning

Technicians perform high-performance and high-pressure cleaning of drill site equipment and trucks on site or on your equipment and trucking assets at our E&P landfills.

## NORM Mobile Decontamination

We provide our E&P customers a state-of-the-art NORM waste decontamination unit to decontaminate pipes, soils, buildings, equipment and other materials on a rig site.

## Domestic Wastewater Treatment

Republic Services operates domestic wastewater treatment facilities specifically focused on treating wastewater generated on wellsite locations.

## Facility Support and Roustabout Services

Seasoned professionals provide wellsite upkeep and maintenance services to increase safety and aid in operational uptime.





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