

Recycling Solutions

Industry-leading hazardous waste recycling/resource recovery solutions, offering customer sustainable and cost-effective waste management options



US Ecology offers a wide variety of recycling solutions in order to meet the specific environmental goals of our customers. Generators across the country depend on us for our innovative treatment technologies, competitive prices, unsurpassed customer service, reliable transportation and lab services, and consistently proven results. We are a technological leader in the treatment of inorganic wastes and metals recycling services.

Recycling Solutions

Airport Services

Provides aviation customers with deicing fluid collection and recycling systems. We design, implement and operate glycol-contaminated stormwater management programs that incorporate the best available technology for the recycling of glycols. This process eliminates an environmental issue by turning it into a renewable commodity.

Metals Recycling

We offer a unique approach to recycling metal-bearing material rather than disposal. US Ecology Metal Recovery specializes in the reclamation of metal-bearing wastes and byproducts, which would originate primarily in the steel manufacturing and metal finishing industries (electroplaters and specialty alloy manufacturers). Our process recovers metals from liquids and solids, including silver, nickel, copper, chromium, tin and cobalt.

Mobile Recycling

Provides an efficient, cost-effective alternative to traditional disposal and recovery programs at your location. Vacuum-assisted stills, operated by experienced technicians, handle a wide range of solvents and produce a clean, clear recovered product that is recycled at the customer's facility. We maintain the appropriate permits and registrations in order to provide these services directly at the customer site. Our process is ideal for paints, inks, oils, purge solvents, stains, resins and epoxies.

Specialty Solvent Recycling

US Ecology offers recycling programs to refine and manage high-value spent specialty solvents at our fixed base refinery in Romulus, Michigan. US Ecology will toll your high-value solvents back to you for reuse in your process or will market and distribute them for reuse in the secondary market while providing significant savings and carbon offsets.

Thermal Desorption

US Ecology operates a high-volume thermal desorption unit, providing cost-effective recycling of oil-bearing waste. Patented thermal desorption equipment is an economical option for volatile and semi-volatile compounds, chlorinated solvents, refinery tank bottoms and other RCRA constituents. Thermal desorption technology produces "clean" residuals while maximizing the recovery of metal and oil values contained in the wastes. This solution addresses a variety of waste streams, including oil-contaminated drill cuttings, refinery wastes, petrochemical wastes, hydrocarbon-contaminated soils, spent catalysts and other petroleum-compatible residuals.

Used Oil Recycling

US Ecology has long been recognized as a leader in the chemical distillation and oil recycling markets. We accept all types and concentrations of used oil and oil emulsions for recycling with the ability to turn that waste into a reusable resource. Physical and chemical treatment methods are utilized at our facilities to accomplish oil/water separation.

US Ecology has also provided customers with recycling solutions as part of our Total Waste Management program administered by our Managed Services Group (MSG). There are numerous recycling technologies and strategies that our MSG team has implemented to create a single-source offering to meet our customers' needs for both recycling of commodities and disposal of various wastes. Our network of strategic partners has been developed over the last 15 years. Each vendor must meet the US Ecology criteria for approval before being added to our list of potential outlets.