

Technical Services

*A Broad Range of Experience in
Transportation, Disposal and
Laboratory Chemical Packing.*



Complete Confidence from Beginning to End

At Your

Rely on Clean Harbors for the most comprehensive hazardous and non-hazardous waste-disposal services. With over 50 company-owned and operated waste-management facilities in the U.S. and Canada that cover a broad range of disposal technologies, Clean Harbors is your single source for the safe, efficient handling of all waste streams.

Since 1980, Clean Harbors has taken the lead in identifying the most cost-effective, environmentally sound options for waste management. Our numerous recycling, incineration, landfill and treatment facilities bring a complete range of alternatives to our customers.

Our **Technical Services** product line has been developed specifically for the collection and transporting of all containerized and bulk waste (**Transportation and Disposal**), as well as the categorization, packaging and removal of laboratory chemicals for disposal (**CleanPack®**). Through a network of Technical Service Centers, we dispatch our trucks to pick up customers' waste either on a pre-determined schedule or on demand, and then deliver it to one of our nearby Treatment, Storage and Disposal Facilities (TSDF). From these same Technical Service Centers, we can dispatch chemists directly to a customer location for the safe collection of chemical waste for disposal.

Choose Clean Harbors for the best in flexibility, efficiency and rapid service.

Complete Transportation and Disposal Services

Clean Harbors offers a tremendous number of waste stream disposal options. Whether you have an exotic water-reactive waste or simply a paint or oil waste, our established network provides fast, expert service that's unmatched in the industry.

- Incineration
- Landfill
- Fuels Blending
- Lab Chemical Disposal
- Explosives Management
- Wastewater Treatment
- PCB Disposal
- Recycling and Reuse
- Used Oil and Oil Products Recycling

Complete Laboratory Chemical Management Services — CleanPack®

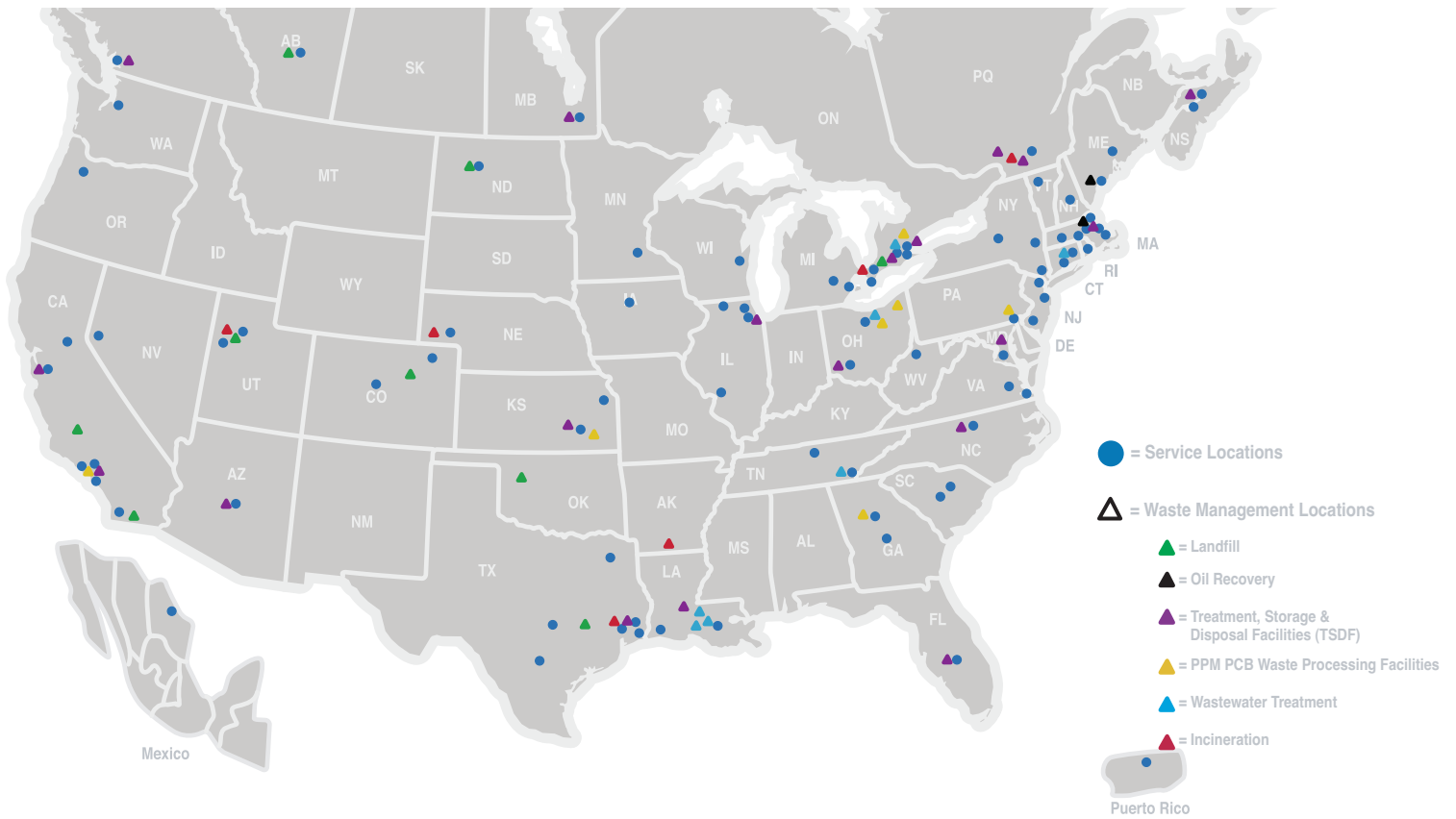
Our CleanPack chemists collect, label and package all quantities of chemicals and hazardous waste for transportation and disposal.

- Laboratory Chemical Packing
- Reactive Material Services
- Laboratory Moves
- On-site Program Management
- Household Hazardous Waste
- CustomPack® Services
- Facility Closures
- Cylinder and Compressed Gas Management



Disposal.

Clean Harbors Has You Covered





Transportation *and* Disposal Services

Through a highly coordinated transportation fleet of more than 2,000 vehicles, Clean Harbors provides reliable, cost-effective Transportation and Disposal to customers across North America. From incineration, waste treatment, recycling and landfill disposal, to more specialized services such as fuel blending and explosives management, we employ the most advanced technologies to treat or dispose of your waste materials.

Clean Harbors maintains a network of service centers and field offices located across the U.S., Canada and Puerto Rico. This kind of coverage enables us to respond more quickly to chemical spills, on-site cleanup, lab-packing services and hazardous waste collection. Further peace of mind comes knowing that the majority of the waste Clean Harbors treats, disposes of or recycles is handled at a company-owned and operated waste-management facility.

The Clean Harbors Difference

Always in Compliance. EPA, DOT and Ministries of the Environment and Transportation regulations are complex, and even a minor infraction can cost you time and money. Clean Harbors provides the expert service and advice to ensure your waste-management program is always up to code, while still keeping an eye on your bottom line.

Reducing Liabilities. All of our disposal facilities uphold rigorous quality assurance programs to meet the highest standards of both internal and external audits. We maintain constant vigilance over all facilities to identify and minimize long-term liabilities. The result: Your exposure to risk is minimized.

Controlling Costs. Short-term disposal savings often impact long-term cleanup costs. At Clean Harbors, we respond to short-term cost pressures while maintaining the integrity of ultimate compliance efficiencies.

All-in-One Service. Regardless of the waste type your company generates, Clean Harbors provides the convenience of single sourcing. From solid wastes and wastewater to simple oils and paints to PCBs and cyanides, we handle it all. And since our operations are completely networked, the entire process is easier, safer and more cost-effective.

Leveraging Technology. Our Internet-based online services provide customers with instant access to key records related to transactions, and help us better track shipments from pickup to disposal. You can monitor every aspect of your waste stream and maintain complete process control.



Services at a Glance

Lab Chemical Disposal

The simplest, most economical solution for chemical disposal

Incineration Services

A preferred method for treating organic hazardous wastes

Recycling and Reuse

Savings through the recycling of solvents, chemicals and manufactured parts and products

Explosives Management

Proven experience in the safe treatment and disposal of reactive waste

Wastewater Treatment

Aqueous treatment technologies for liquid and semi-liquid wastes

Fuel Blending Systems

Waste that can be processed into fuels for cement kilns provides for beneficial reuse

Oil Recycling

For drum and bulk used chemicals, coolants and other non-hazardous wastewater

Landfills

Advanced technology to ensure the highest level of compliance and risk reduction

PCB Disposal

The collection, recycling and disposal of PCB and mercury-type wastes

Services at a Glance

Incineration Services

- Thermal treatment technology destroys 99.99% of all materials
- Six incinerators treat up to 918 million pounds of waste per year
- Fluidized-bed, rotary kiln and liquid injection facilities provide cost-effective solutions while reducing liability

Wastewater Treatment

- Inorganic wastewater treatment, super-critical fluid extraction for organic wastewater, and deep-well injection and biological treatment
- Ten treatment facilities treat millions of gallons annually
- Services include chemical oxidation and reduction, neutralization, metal precipitation, flocculation, filtration, carbon absorption

Landfills

- Nine landfills providing complete and seamless waste management can accept bulk or containerized shipments by rail or road
- Provide technical treatment to deactivate reactive and oxidizer wastes, including stabilization through encapsulation
- Seven sites for the disposal of hazardous waste (subtitle C), two specializing in non-hazardous industrial and municipal waste (subtitle D)

PCB Disposal

- Six facilities dedicated to handling all types of PCB wastes including soils, waters, oils, transformers, capacitors, cable, bushings/switches and ballasts
- Safely managed through the chemical destruction of PCB oil, as well as incineration and recycling of electrical equipment

Fuel Blending Systems

- Liquid, solid and semi-solid materials are processed to all cement kiln specifications
- Safe, nitrogen-blanketed coarse shredding and high-speed dispersion

Recycling and Reuse

- Identifies opportunities for waste reuse, recycling or reclamation
- Clean Extraction System uses safe CO₂ to extract reusable organics
- Segregates hazardous materials such as mercury switches and PCB capacitors
- Recycling of fluorescent light bulbs, PCB ballasts and transformers, non-halogenated solvents, batteries, and mercury and lead

Lab Chemical Disposal

- Collection, labeling and packaging of chemical waste
- Full network of storage and disposal facilities processes chemicals for reclamation, fuels blending, incineration, aqueous treatment or landfill disposal

Oil Recycling

- Three dedicated recycling plants process millions of gallons annually
- Recovery via heat separation, filtration, carbon absorption and flocculation

Explosives Management


- Accepts more than 300 types of explosive/reactive waste materials
- Packages and removes explosives on-site, reducing liability

InSite Services

- An on-site program can be customized at your facility to provide full or part-time management of all Technical Services

Transportation

- Highly coordinated company-owned and operated transportation fleet of more than 3,500 vehicles provides bulk and drum, and liquid, solid and sludge transportation
- Reliable, cost-effective Transportation and Disposal to customers across North America, utilizing box trucks and vans, vacuum and tanker trailers, including rail transportation



CleanPack[®]

Lab Chemical Packing

Clean Harbors' lab pack program provides for the safe handling, packaging, transportation and disposal of hazardous chemicals for customers across North America. Our highly trained chemists are skilled in chemical recognition and compatibility, ensuring that you'll always be in compliance with the latest EPA, DOT and Ministries of the Environment and Transportation regulations. And when leveraging our exclusive and proprietary waste-management software, you can better manage the chemical disposal process to further reduce costs and liability. Our experienced CleanPack chemists will provide you with technical assistance every step of the way.

Chemical Disposal Easy as 1-2-3

The CleanPack program follows three simple steps for complete and fully compliant chemical disposal services.

Step 1: Proper Packing—CleanPack chemists—dispatched from our vast network of service locations—collect, identify, label and package wastes into DOT-approved containers. Using laptop computers with proprietary software, they quickly produce inventory lists, manifests, LDR forms and labels that comply with local, state and federal regulations.

Step 2: Safe Shipment—Wastes are generally removed the same day to a fully permitted Clean Harbors' treatment, storage and disposal facility.

Step 3: Dependable Disposal—Our broad network of waste-management and disposal facilities provides options of incineration, recycling, wastewater treatment and fuels blending. Clean Harbors' online services allow you to precisely track waste shipments to ultimate disposal.



Services at a Glance

On-Site Program Management

Experienced program managers on your site

Household Hazardous Waste

One-day, multi-day, mobile and permanent collection programs

Reactive Material Services

Safe handling of reactive materials on your site

Cylinder & Compressed Gas Mgmt.

Extensive experience managing compressed gases and dangerous cylinders

Facility Closures

Comprehensive removal and disposal

Laboratory Moves

Single to multiple lab moves, from the simple to the complex

CustomPack® Do-It-Yourself Packing

For customers who want to pack their own waste chemicals

Services at a Glance

Household Hazardous Waste

- Manage household hazardous waste and pesticide collection programs throughout the U.S. and Canada
- Collect paints, solvents, batteries, fluorescent lamps, metals and other hazardous materials
- One-day, multi-day and mobile programs
- Safe and efficient, with the highest regard to the environment

Cylinder and Compressed Gas Management

- Disassociated compounds and unknown sampling and identification
- Emergency response and containment
- Transfer, flaring and emergency containment of portable and fixed tanks
- Safe, experienced handling of Alkyl metals, peroxide formers
- Management of damaged/defective cylinders

Reactive Materials Services

- Handle, stabilize and desensitize dry picric acid, peroxide-contaminated ethers, gas cylinders and other highly reactive and potentially explosive compounds
- Reactive Material Technicians work as a team with the training, tools and technology necessary to manage high-hazard compounds, while eliminating potentially dangerous situations

CustomPack®

- Clean Harbors' self-pack program, developed for customers with the in-house resources and experience to handle packaging their own waste chemicals
- Providing the training, technical support and custom guidelines to help package wastes safely, cost-effectively and in full compliance with all government regulations

Laboratory Moves

- Transport chemicals to a new laboratory or facility
- Safely segregate, package, transport and unpack the chemicals from start to finish

Facility Closures

- Comprehensive, site-specific chemical removal and disposal for facilities undergoing a closure or major cleanout

On-Site Program Management

- If you require assistance in managing chemical inventories and waste-storage areas, the Clean Harbors InSite Services program provides on-site program managers with expertise tailored to your specific needs



Clean Harbors

Commitment. Leadership. Confidence.

Clean Harbors is North America's leading provider of environmental, energy and industrial services serving over 50,000 customers, including a majority of Fortune 500 companies, thousands of smaller private entities, and numerous federal, state, provincial, and local governmental agencies.

Within Clean Harbors Environmental Services, the Company offers a broad range of hazardous material management and disposal services, including the collection, packaging, recycling, treatment and disposal of hazardous and non-hazardous waste. We also provide a wide variety of environmental cleanup services on customer sites or other locations on a scheduled or emergency response basis.

Within Clean Harbors Energy and Industrial Services, the Company provides industrial and specialty services, such as high pressure and chemical cleaning, catalyst handling, decoking, material processing, and industrial lodging services to refineries, chemical plants, pulp and paper mills, and other industrial facilities. We also provide seismic, production, directional boring services, and surface rentals to the energy sector serving oil and gas exploration, production, and power generation.

Founded in 1980, Clean Harbors has grown to be the leading and most trusted environmental, energy and industrial services, and waste management company, fully committed to preserving natural resources, serving local communities, and adhering to strict government regulations.

Look to Clean Harbors to handle every aspect of your environmental, energy and industrial services management program.

Environmental Services

- Chemical Packing
- Emergency Response
- Field Services
- Household Hazardous Waste
- InSite Services
- Recycling Services
- Transformer Services
- Waste Disposal

Energy and Industrial Services

- Directional Boring
- InSite Services
- Lodging Services
- Production Services
- Industrial and Specialty Industrial Services
- Seismic Services
- Surface Rentals



For Technical Services

(Transportation and Disposal Services or CleanPack), call 800.444.4244



For Field Services

Call 800.645.8265

Or visit the Web at

www.cleanharbors.com

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