



# Pharmaceutical and Biotechnology Services

*Your First Choice for  
Environmental Management.*



# Your Single-Source Leader.

At Clean Harbors, we've built a reputation for providing the most comprehensive and reliable services for the pharmaceutical and biotechnology industries.

Our success is based solely on the success of our customers. By delivering a wide range of services as well as complete project management, Clean Harbors empowers pharmaceutical and biotechnology companies to concentrate on what makes them profitable and efficient.

Because we understand your challenges and changing demands, we're able to offer customized services tailored for the way you operate and conduct business. From more specific needs like tank cleaning and hydroblasting, to implementing a full-blown container management system, our goal is to eliminate your liability, reduce costs and help you maintain your competitive edge.

We invite you to learn more about our full portfolio of services for pharmaceutical and biotechnology facilities. You'll see that when it comes to proven project management, quick response and quality results, Clean Harbors is the first—and only—choice.



## First Things First: 100% Compliance & Liability Minimization

Your business requires that you maintain 100% compliance with all regulations, that you minimize liability, and reduce waste and emissions. Additional pressures require you to reduce waste management and disposal costs, and improve efficiencies. To do this, you have to optimize your waste management while remaining aligned with environmental, health and safety, and purchasing goals.

At Clean Harbors, we understand the key business needs and challenges that pharmaceutical and biotechnology firms face managing their environmental programs. Working with us, you can be assured we share best practices, provide viable options for waste reduction, reuse or reclamation, and find ways to reduce your overall cost of environmental management.

As North America's premier provider of environmental services and solutions, our infrastructure and breadth of services are unsurpassed in the industry. We will work diligently and exhaust every avenue to make a determination on the handling of your waste that would be most beneficial to you.





## Benefit from Our Full Range of Services

We know the pharmaceutical and biotechnology business—inside and out—and that’s why we offer an integrated portfolio of services with a unique focus on your operation...

**Waste Management** — 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 source for the safe, efficient handling of waste streams associated with pharmaceutical plants and biotechnology facilities. Company-owned disposal capabilities include incineration, recycling, wastewater treatment, fuels blending, landfill and more.

**Bulk Waste Transportation and Disposal** — Clean Harbors’ vast network of transportation equipment and vehicles routinely handles high volumes of bulk waste over land and water throughout North America, including Puerto Rico. Shipments utilizing vacuum trucks, transporters and specialized containers move by truck, rail and ship, enabling us to service any size ongoing waste shipment need or campaign.

**Drum Waste Transportation and Disposal** — Clean Harbors transports thousands of drums per day. Hazardous and non-hazardous waste, highly hazardous materials and varying specialty wastes can easily be picked up from your locations in drums and odd-size containers and transported safely and efficiently to the end disposal facility.

**Laboratory Chemical Packing** — CleanPack®, Clean Harbors’ laboratory chemical packing services, provides for the safe handling, packaging, transportation and disposal of hazardous chemicals for pharmaceutical and biotechnology companies. Our highly trained chemists are skilled in chemical recognition and compatibility, ensuring that you’ll always be in compliance with the current regulations. And when utilizing our exclusive waste-management software, you can better manage the chemical disposal process to further reduce costs and liability.

**Reuse, Recycling and Reclamation** — We can deliver significant savings to the pharmaceutical and biotechnology industries through the reclamation or marketing of by-product streams. Our Reuse, Recycling and Reclamation Services minimize waste and are responsible alternatives to traditional disposal routes. From the identification of candidate waste streams for reuse or reclamation, to providing regulatory compliance guidance and logistics management, Clean Harbors provides the most beneficial solution for you.

**Reactive Material Stabilization and Cylinder Management** — The stabilization of highly reactive/explosive compounds and the management of cylinder packages require both experience and proven methodology. Our Reactive Material Technicians and Cylinder Specialists work as a team with the training, tools and technology necessary to manage these materials, including unknowns, while eliminating potentially dangerous situations.

## Lab Chemical Packing

Safe handling, packaging, transportation and disposal of laboratory chemicals

## Reuse, Recycling and Reclamation

Minimizes waste and is a responsible alternative to incineration, fuels blending and other disposal routes

## Reactive Material and Cylinder Management

Expertise in handling highly reactive and potentially explosive compounds

## Apollo Onsite Services

Place specialized labor on your site to assist you in managing your environmental program

## DEA Controlled Substances

Reverse distribution registrant, accepting DEA schedule I-V substances, administration forms 41 & 222

## Low-Level Radioactive Waste

Waste processing and disposal at NRC licensed disposal facilities

# a Glance

**Apollo Onsite Services** — Bringing our expertise and resources right to the customer, Clean Harbors' Apollo Program is the premier onsite solution that serves the dual purpose of improving your waste stream management, and making your entire environmental program safer, more cost-effective and self-sufficient. We utilize a hand-in-hand, team approach that leverages our extensive resources and infrastructure to customize an environmental program for you. Clean Harbors' skilled technicians work onsite in tandem with customers to deliver proper waste transportation and disposal, lab chemical packing (CleanPack®), industrial cleaning and maintenance, and more. Whether you require a single field technician or a 20-person team of diversified talent, Clean Harbors can design the right program to satisfy your specific needs.

**DEA Controlled Substances** — As a DEA approved pharmaceutical Reverse Distributor, we provide chain-of-custody ownership transfer of DEA controlled substances at customer sites, complete the administration of agency required shipping and receiving documentation, and eliminate the need for customer witness destruction of controlled substances at Clean Harbors-owned and operated incineration facilities. We are your single source for safe and secure pharmaceutical disposal.

**Low-Level Radioactive Waste** — Low-Level Radioactive Waste (LLRW) is an inevitable by-product of the beneficial uses of radioactive materials. Health physics professionals overseeing Class A, B & C (10 CFR 61.55) LLRW rely on Clean Harbors to properly qualify, package and ship radioactive waste, meeting applicable DOT transportation requirements with waste processing and disposal at NRC-licensed disposal facilities.

**Emergency Response Services** — When every second counts and safety is the first concern, customers faced with sudden financial impact, system downtimes and environmental damage know they can depend on Clean Harbors to handle virtually any emergency and to make appropriate decisions that will save time and money.

**Discontinued Operations Services** — Whether you are cleaning up discontinued operations for sale, redeveloping contaminated properties or need remediation as you expand your current operations, Clean Harbors provides a range of services to support you. Working with you and/or your engineering/consulting firm, Clean Harbors offers decontamination services, remediation support, experienced labor, and waste transportation and disposal to handle projects of any size.

**Decontamination Services** — Clean Harbors has the expertise to manage a wide range of decontamination needs, from small laboratory equipment to entire labs, R&D facilities and manufacturing plants. In emergency and scheduled situations, Clean Harbors evaluates the circumstance and develops a safe, comprehensive and cost-effective plan. Even projects requiring a large labor force on short notice are easily handled and are performed in a timely fashion.

**Tank, Pipe, Condenser and Combustor Cleanouts** — We offer various processes for cleaning tanks and pipes, condenser tube bundles, inlet feed liquid vessels, and any other type of tube exchanger system, as well as combustor cleanouts. Scheduling routine condenser tube cleaning will improve vessel efficiencies and cut down on unwanted forced outages. Our trained crews use state-of-the-art equipment and can provide the cleaning method that will best serve your needs, including chemical cleaning, high pressure water jetting and conventional brush cleaning.



# Committed to Your Business.

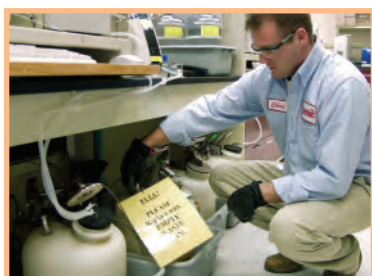
## Turnkey Service

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Clean Harbors leverages its significant onsite labor, transportation and disposal assets across North America to provide turnkey service to our pharmaceutical and biotechnology customers. This advantage allows us to maintain true accountability and business continuity when managing your individual plant, laboratory or complete company-wide environmental program—while you have confidence knowing the job is with one easily accessible and reliable source.

Clean Harbors uses a best-practice approach that streamlines your costs and maximizes your staff's productivity. Look to Clean Harbors to handle everything from planning and estimating, to scheduling, cost tracking and sub-contractor management.

- Complete integration of services with your operation
- Single-source provider, eliminating costs associated with managing multiple contractors
- Full planning and scheduling services to ensure quality results—on time, on budget
- Company-owned and operated waste treatment and disposal capabilities eliminate third-party handoffs, reduce costs and liability



## Apollo Onsite Services—Customized Program for Pharmaceutical and Biotechnology Companies

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Clean Harbors' exclusive Apollo Program brings specialized labor, program management, and the execution of our extensive range of environmental services right to your site. This industry-leading onsite solution allows you to focus on your production (what you do best) as we make your entire environmental program safer, more cost-effective and self-sufficient (what we do best).

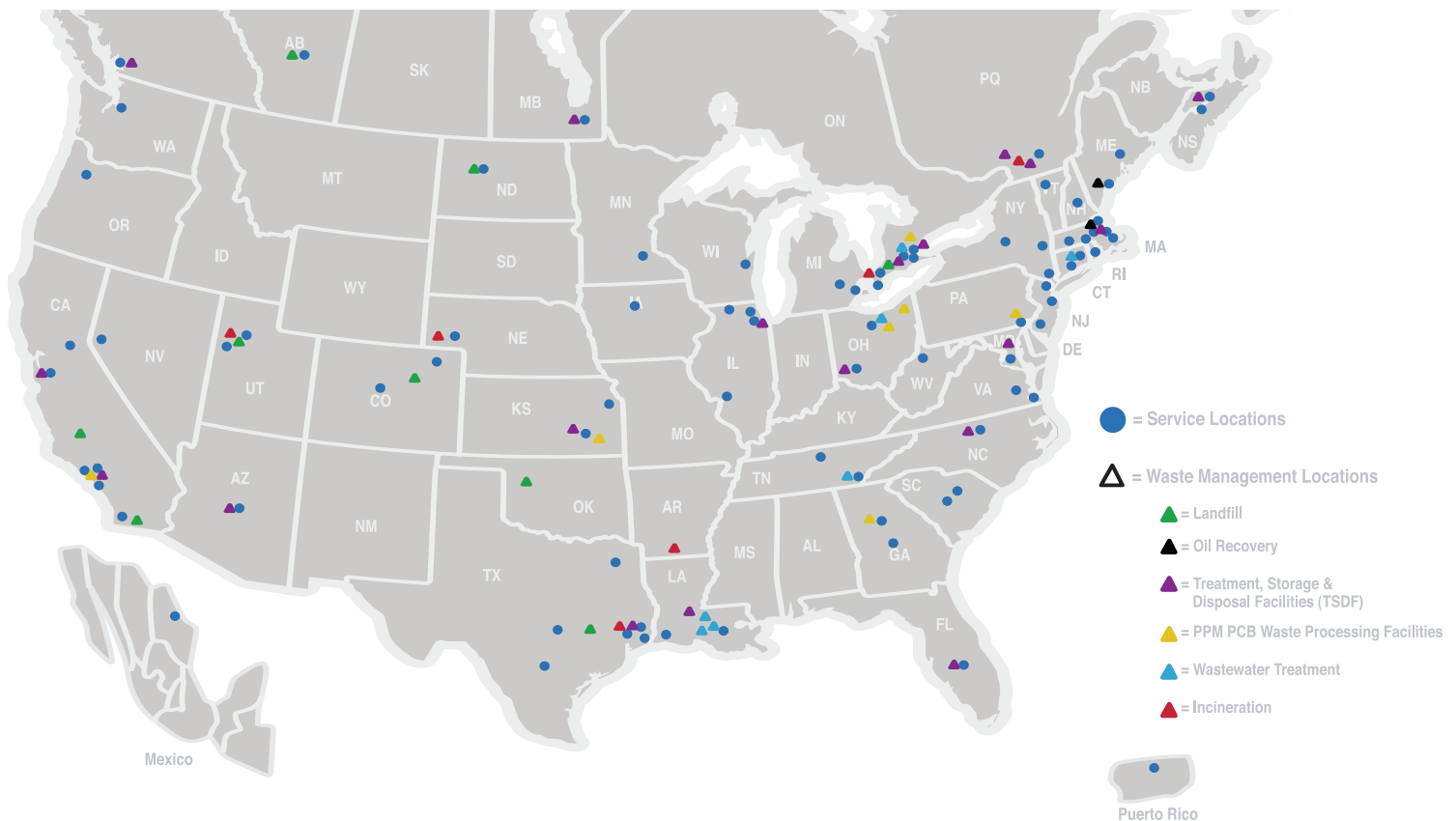
Apollo professionals arrive each day at your facility to start work. A typical day in a pharmaceutical or biotechnology location for our Apollo experts could encompass managing all types and sizes of waste materials, from small jars and vials to drum and bulk materials, ensuring daily compliance by conducting satellite and 90-day area inspections, filling waste containers, moving waste into storage, labeling containers and preparing shipment paperwork.

Utilizing Clean Harbors' proprietary online inventory system, Apollo teams move and track containers throughout your facility. Our online system helps you stay in compliance and maintain proper container inventories for daily operations and product changeovers. Our auditing, inspections and report preparation further prevent compliance issues, while our volume, cost and department charge back reports maintain cost accountability.

From initial waste sampling and profiling to low-cost disposal options, we provide complete profile and waste stream management. But it doesn't stop there. Whether you require emergency spill response, industrial maintenance services or daily vacuum services, our Apollo team is at your service to perform the task at hand.



# Clean Harbors Has You Covered—All Across North America!



## For Pharmaceutical and Biotechnology Services

call 800.444.4244

## Or visit the Web at

[www.cleanharbors.com](http://www.cleanharbors.com)

### Corporate Headquarters

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P.O. Box 9149  
Norwell, MA 02061-9149  
781.792.5000  
800.282.0058



## Making Your Business Safe and More Efficient

As your single source for environmental services, Clean Harbors will have a direct impact on your pharmaceutical and biotechnology operations:

- Improve productivity through complete waste management and environmental maintenance and cleaning services that remove the burden on your staff
- Reduce risks and liability through proven, fully compliant environmental solutions and services
- Minimize downtime associated with periodic shutdowns or product line changeovers, through quick response and faster turnaround
- Remain prepared for any and all emergencies using the most trusted and responsive team in the industry
- Simplify and reduce costs by working with one company for complete environmental program management aligned with the way you do business

With over two decades of providing reliable service, find out why Clean Harbors is your first choice. Call 800.444.4244 or visit the Web at [www.cleanharbors.com](http://www.cleanharbors.com)