

# Container Management Services for Refineries & Petrochemical Facilities

*Your First Choice for Environmental Management*





# Comprehensive Container Management

At Clean Harbors, we've built a reputation for providing the most comprehensive and reliable services for the refinery and petrochemical industry.

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 refineries to concentrate on what makes them profitable and efficient.

We understand your challenges and changing demands. Therefore, 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 refineries and petrochemical plants. You'll see that when it comes to proven project management, quick response and quality results, Clean Harbors really is the first—and only—choice.



## We Understand Your Needs

---

- Complete visibility into the number of containers on-site, their status and accumulated cost
- Full access to container resources when needed most
- In-house resources to move containers within a plant and update tracking information
- Ability to manage multiple vendors to coordinate container resources and off-site disposal
- Reconciliation of container-related invoices from vendors and ability to allocate charges back to departments and cost centers

## We Can Help You

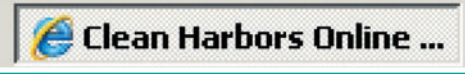
---

- Web-based tracking system provides real-time view of container location and status
- A full range of container types and sizes is available when and where you need them
- On-site technicians perform an array of container services using the latest technology—so you don't have to
- A single-source provider to manage the entire process—from container delivery to on-site container moves, off-site transportation and disposal
- Access to up-to-date program data so you can easily manage and reconcile vendor invoices

We can easily implement the container management program of your choice and bring a valuable advantage to your operations.

## Container View

Container Number	Container Type	Owner	Area	Days in Area	Cost Center
CHVB20030	Vacuum Box	Clean Harbors	Amines	7	V10001
			Laydown	4	V10000
R1230M	Rolloff	ABC Refinery	Coker	11	C20012
CHRT25323	Rolloff	Clean Harbors	Olefins	4	V20002
			Laydown	2	V10000
			Olefins	6	V20002
F10020	Frac Tank	ABC Refinery	Crude Oil 1	29	V30003
S34545	SpillBerm	ABC Refinery	Crude Oil 1	29	V30003
CHRT25299	Rolloff	Clean Harbors	Parafins	16	V30003
			Landfill	1	V40001
			Parafins	12	V40001
CHRT25029	Rolloff	Clean Harbors	WWT	14	V50001
A10001	Trashbox	ABC Refinery	Maintenance	27	M10002



## Flexible Options to Meet Your Needs and Budget

### Service Level 1 — Container Rental

We can supply the exact containers to support your waste management needs. All containers can be tracked using handheld devices allowing you to view container inventories by areas within your facility online from any Web browser.

- Over 10,000 containers available—all owned by Clean Harbors
- Fast delivery from nearly 75 Clean Harbors locations throughout the U.S., Canada, Mexico and Puerto Rico
- All containers are bar coded for easy tracking
- Web-based tracking application provides instant status from any PC
- Maintenance program ensures containers are up to code and reliable
- Can establish and track containers to a “Laydown Area” for containers on consignment

### Service Level 2 — On-Site Support and Expertise

In addition to supplying all containers, we assign Clean Harbors personnel to your facility to manage the delivery and distribution of containers. Your program manager will perform tracking activities and provide you with reports as requested. This is a cost-effective solution for customers with limited in-house resources.

- On-site technicians to manage and coordinate all container movements in and out of the facility
- Access to latest tracking and management technology—with expert support
- Consolidated reporting system to provide monthly update on container activities
- On-site program manager will provide all of the information to reconcile container related vendor invoices

## Turnkey Service—End-to-End

*Clean Harbors' Container Management program delivers a wide range of flexible, cost-saving services to meet your changing demands and budget.*

*As North America's premier environmental management company, we make managing your containers easy.*

- A single point of contact who is responsible for your container program
- Tracking and management of your entire inventory of containers
- Advanced Web-based technology puts your entire program online for real-time status
- Full compliance with environmental, health & safety requirements



### *Service Level 3 — Reliable Container Transportation*

You can build on the level 2 program by relying on Clean Harbors to handle all container movements—from within your plant to the safe, efficient transportation to other facilities. We'll manage the entire process with industry-certified drivers and equipment, and you can track your containers every step of the way online.

- Complete container transportation services supporting both in-plant and off-site moves
- Provide drivers and equipment that have all the required training and qualifications to meet your needs
- Detailed tracking and reporting of all container movements by department and cost center
- Routine inspections to ensure containers are compliant

### *Service Level 4 — Full-Service Disposal Capabilities*

Clean Harbors can also design a fully integrated program that includes container rental, dedicated on-site technicians and drivers, and removal and disposal of containerized waste for refineries and petrochemical plants. We'll even manage containers from other vendors so you only have to work with one reliable, responsive company. You benefit by leveraging the industry's largest network of disposal facilities with the experience and expertise to manage your specific needs.

- We offer the most appropriate container and packaging solutions to handle the varied waste streams that need to be managed.
- The program integrates with logistics and rail services for multiple, cost-effective options that include central oversight and monitoring of every rail and over-the-road shipment.
- When disposing of waste at a Clean Harbors facility, your containers and their contents are tracked from the time they leave your plant, to arrival at the Clean Harbors facility, and right through to end disposal.
- We can provide you with a summary invoice with supplemental detail of all container and disposal activities right down to the unit level.

- On-site personnel and support to free up your own resources
- In-plant container transportation, anytime and anywhere
- Complete, up-to-date documentation including on-demand reports on container movement and costs
- Integration with largest network of disposal facilities in North America

- Management of other container vendors so you work with only one company
- Support for large facility turnarounds; we'll manage all container movement
- Fast, easy program setup with virtually no impact on your operations
- Comprehensive maintenance program to ensure containers are always available and meet strict quality control guidelines

# Committed to Your Business

## The Widest Selection of Containers to Meet Your Plant's Needs



- **Vacuum Rolloff Containers and Dewatering Rolloff Containers**—For large volume semi-solids and sludge generated from tank cleaning operations and industrial maintenance operations



- **Hardtop Rolloff Containers and Hardtop Intermodal Containers**—For waste subject to strict air emission standards and RCRA Subpart CC regulations such as tank bottoms from cleaning operations



- **Open Top Rolloff Containers**—For filter cake and tank bottoms generated from on-site dewatering operations associated with presses and centrifuge equipment



- **Cubic Meter Containers**—Metal and plastic construction for areas where larger size containers cannot be positioned



- **Open Top Intermodal Rolloff Containers**—For centrifuge and press operations and the waste generated during these processes that can be transported to an end disposal facility



- **Frac Tanks**—For on-site storage of process waters and other liquids and used in conjunction with pumps, filtration devices, vacuum and dewatering boxes

**Additional Containers & Customized Containers Also Available**—Clean Harbors can provide any number of containers to support emergency situations and large projects and events. For customers with unique requirements, Clean Harbors can also customize containers to fit the need.

## 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 Container Management Services

---

Call 800.444.4244

### Or visit the Web at

---

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

#### Corporate Headquarters

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

