

Service Profile

Clean Harbors Offers Comprehensive Gas Cylinder Management Program

Overview

Compressed gas cylinders and their contents are inherently dangerous. Extreme pressure, flammability, toxicity and corrosivity are a few examples of the dangers that can be encountered. Because of these factors gas cylinders present different, and in many ways more challenging, management issues that are complicated by the high cost of properly managing and disposing of the waste gases and containers.

- Each gas has its own handling and storage protocols and limitations;
- With the exception of inert gases, safety almost invariably decreases the longer the gases are stored;
- The older the cylinder, the harder it is to process and the more dangerous it becomes;
- Unlike with bulk chemicals, it is often more expensive to remove and properly discard gas cylinder contents than it is to buy the materials in the first place;
- The cost of disposal is directly related to the age of the contents and the condition of the cylinder and safety cap or valve.

“For all of these reasons it’s important for companies to put in robust gas cylinder management programs that address safety, efficiency and cost issues,” said Ed Isom, CHMM, CPEA, CET, Clean Harbors Director, High-Hazard Services. “At Clean Harbors we’ve developed comprehensive gas cylinder management programs for our own facilities as well as for our customers. We handle onsite management, transportation and disposal/destruction according to the highest regulatory and safety standards.”

Services

Clean Harbors’ gas cylinder services range from transportation and disposal to onsite turnkey management:

Gas Cylinder Removal and Destruction – Clean Harbors Cylinder and Compressed Gas Management Services provide safe and cost-effective onsite management and off-site disposal of cylinders and compressed gases, from the removal of a single lecture bottle to large-scale, multi-phase cylinder remediation projects. Each cylinder brought into the Clean Harbors network is evaluated by cylinder specialists. These specialists identify, analyze, overpack, transfer, and stabilize the material, based on what the situation requires. Cylinders are transported in DOT Transportation of Dangerous Goods (TDG) permitted Clean Harbors trucks and processed at EPA certified facilities assuring compliance throughout the removal process.

InSite Services – Clean Harbors InSite Services is a flexible, fully integrated outsourcing program that provides tactical and technical gas cylinder support placing experienced Clean Harbors employees at customer locations. InSite Service staff manage inventory, onsite movements, storage, removal, transport and destruction. In addition, InSite Services staff document all gas cylinder activities using advanced barcode tracking and database programs.



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Master Inventory and Barcode Tracking – Clean Harbors creates a master cylinder inventory that clearly identifies the contents, location, moves, special handling characteristics, expiration dates, stabilizer/inhibitor renewal dates and other important content, handling and financial data. The database graphically flags records for cylinders as they approach expiration deadlines. Cylinder status is constantly monitored using handheld barcode readers, which instantly upload the new information to the master inventory database.

Cylinder Response Unit – Clean Harbors deploys mobile units for quick response to emergency and routine mitigation, overpacking and transportation of cylinders and compressed gases. The Cylinder Response trailers are custom-built, 40-foot, fully self-contained, tractor trailer/sea containers that can be quickly deployed throughout North America or shipped overseas. They are complete cylinder response laboratories staffed by highly trained cylinder specialists. The labs are capable of safely and efficiently hydrolyzing chemicals, and mitigating and removing cylinders and gases.

Whether customers opt for basic removal and disposal services or comprehensive InSite Services, Clean Harbors can help eliminate much of the risk and reduce the costs of managing gas cylinders.

Resources

- [Cylinder Management Services White Paper](#)
- [Cylinder & Compressed Gas Management Brochure](#)
- [Cylinder & Compressed Gas Management Fact Sheet](#)
- [Cylinder Response Trailer Fact Sheet](#)
- For more information on Clean Harbors Cylinder & Compressed Gas Management Services visit www.cleanharbors.com/cylinder.

