

## INDUSTRIAL SERVICES

### Outage & Turnaround Support Services for the Chemical Industry

#### Outage and Turnaround Support Services

Clean Harbors Outage and Turnaround Support Services provide industrial cleaning during planned and unplanned, total, or partial shutdowns of chemical process units or plants to perform maintenance, overhaul, and repair operations. Clean Harbors will get your process, plant, or facility back up and running quickly and efficiently.

We understand time sensitivity. If a plant, piece of equipment, or a critical system is shut down an extra hour, day, or longer, it will have a significant impact on the bottom line of your business. Clean Harbors will mobilize equipment and professionals who will work 24/7 to execute a turnaround in the shortest possible time, within budget, and without incident.

#### Experienced Personnel and Extensive Resources

Extensive savings in downtime vary with the individual job and the availability of labor, equipment, material, and other variable factors. By implementing a custom designed, well planned, and best practice approach for your site, Clean Harbors will ensure your asset's overall performance, safety and reliability.

Clean Harbors can immediately deploy any number of experienced 40-hour OSHA trained and certified workers to meet the needs of any situation.

You have 24-hour access to professionals who routinely handle outages and turnarounds. Because of Clean Harbors quality-conscious philosophy, we attract the most talented and dedicated team members who share that philosophy.

Clean Harbors has vast resources and the right equipment to address any size and type of situation in the chemical industry including: vacuum trucks, air movers, bundle blasters, 3-D waterblast system, automated line cleaning equipment including the Rotofan and Armadillo systems, decoking/pigging pump units, as well as frac tanks and rolloff containers.



800.282.0058 • [www.cleanharbors.com](http://www.cleanharbors.com)

©2016 Clean Harbors, Inc. All rights reserved.



#### Clean Harbors offers all necessary services to get the job done correctly including:

- Vacuum Services
- Internal Pipe Inspection
- High Pressure Services (Hydro Jetting, Hydro Blasting, etc.)
- Condenser and Heat Exchanger Tube Cleaning (Hydro Lazing)
- Chemical Cleaning
- Pipe Cleaning and Removal
- Boiler Cleaning
- Catalyst Handling
- Pipe Pigging
- Waste Disposal

#### Focus on Safety

Clean Harbors' number one priority is the health, safety and compliance of our operations on your sites and ours. Employees at all levels of the company share this philosophy and are committed to ensuring our safety goals are met. Our training protocols and health and safety procedures are unsurpassed and we continue to drive down our Total Recordable Incidence Rate (TRIR); Days Away, Restricted, or Transferrecation Rates (EMR).

