



RCRA Corrective Action

Cleanup + Productive Use

Economic Profile

Clean Harbors Arizona

Phoenix, Arizona

CONTINUED USE



Waste Disposal Facility

This 2.3-acre facility in Phoenix, Arizona, has been used for hazardous waste treatment, storage and disposal since 1979. Practices at the site caused soil and groundwater to become contaminated with volatile organic compounds.

With oversight by the Arizona Department of Environmental Quality, Clean Harbors investigated and cleaned up the site under the RCRA Corrective Action program. A cleanup method called soil vapor extraction was used to clean up the contaminated soil and keep contaminants from getting into the groundwater. The contaminated groundwater has been contained from spreading to other resources as of 2016.

The site continues to operate as a waste treatment, storage and disposal facility, providing a vital service to local industries as well as an estimated \$1.3 million in annual employment income for its 20 employees.

CLEANUP OVERSEEN BY
Arizona Department of Environmental Quality



20

EMPLOYEES



\$1.3 million

ANNUAL WAGES





THE SITE CONTINUES TO OPERATE AS A WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY, PROVIDING A VITAL SERVICE TO LOCAL INDUSTRIES.

Clean Harbors Environmental Services, Inc., acquired the facility in 2002 to continue operating it as a hazardous waste treatment and storage facility. Clean Harbors investigated the site's soil and groundwater, and corrective measures were developed and implemented under the RCRA program. Clean Harbors continues to monitor corrective action activity as part of their RCRA operating permit.

The soil vapor extraction system used as a cleanup measure removed contaminants from the soil and prevented them from entering the groundwater, ensuring that people are no longer exposed to unacceptable levels of contaminants from the site. This cleanup method is beneficial in cleaning up contamination under buildings, as it causes little disruption to on-site activities. Monitoring wells were also installed to sample the groundwater to investigate and monitor the effectiveness of the soil remediation.

Clean Harbors currently operates as a full-service transfer and blending station that can receive a wide variety of wastes. The station segregates, consolidates and prepares incoming wastes for shipment to other treatment, storage and disposal facilities or recyclers. Typical clients for this Clean Harbors facility include industrial facilities, manufacturing plants, oil companies, hospitals, universities, research facilities and government agencies. The facility's expansive permit allows customers to ship all their wastes to this single facility, saving them time and money, as well as reducing transportation-related emissions.

The successful cleanup at the Clean Harbors facility shows that cleanup can be compatible with continued use that provides an essential service, and contributes positively to both the business and local economy.



The Clean Harbors Phoenix facility provides a wide range of treatment and disposal options for hazardous and non-hazardous waste, as a single source for their customers' needs.



Cleanup using soil vapor extraction involves drilling one or more extraction wells into contaminated soil, and using a vacuum to pull air and vapors through the soil and up to the surface for treatment.