

# Mercury VaporLok®

## The safest way to transport your mercury.



Our Mercury VaporLok® packaging and recycling services were developed to provide a reliable, end-of-life solution for large, mercury-containing devices and equipment.

There's a lot of mercury in our world, and handling it needs to be left up to the experts. Every step of the process – from packaging and transporting mercury-laden products to reclaiming the mercury they contain – carries the risk of elemental mercury and mercury vapor release.

Through our Mercury VaporLok® system, Waste Management offers a variety of turnkey project options that include onsite management, packaging and transportation options for these items. The system meets all applicable United States Department of Transportation, United Nations and ASTM International standards for the safe storage and transport of mercury-containing equipment.

While mercury-containing devices are gradually being replaced by non-mercury alternatives, there is still older equipment in schools, hospitals, businesses and homes. Mercury can be found in everything from manometers, barometers, blood pressure meters and other measuring devices to electronics and compact fluorescent lamps.

Properly discarding of mercury-containing devices now carries the force of law. Rely on Waste Management's Mercury VaporLok as a practical packaging and recycling solution that makes it easy for your business to achieve and maintain compliance.

### Overview of Capabilities

As North America's leading environmental solutions company and largest processor of mercury by-products, Waste Management offers you the assurance that your products will be managed according to the highest standards of safety and environmental responsibility. Following are highlights of our services:

- We are regulated by the EPA, OSHA, DOT and state agencies.
- Our operations have been audited and approved by a number of *Fortune 100* companies.
- Transportation of your mercury-containing devices is handled by licensed hazardous-material carriers under hazardous-material manifests.
- Our turnkey site services include materials classification, storage and shipping containers, drum labels, shipping forms and transportation scheduling.
- You will receive a Certificate of Recycling once your materials have been treated and the mercury recovered.

We offer advanced retort services to recover and purify up to 99.999% of elemental mercury from products, devices and debris, in accordance with all EPA and government agency regulations. Each of our four stationary retort ovens can process equipment and debris up to 11 feet in length, enabling us to handle large-scale equipment, soil or debris.

Choose Waste Management, the recognized leader in mercury management, for the secure packaging, transportation and treatment of your mercury-related materials. For cost-effective and environmentally secure solutions, please contact us at **1-800-741-3343** or visit [wmsolutions.com/mercury](http://wmsolutions.com/mercury).



# Mercury VaporLok®

Transportation, packaging and reclamation service for mercury-containing devices.

Our Mercury VaporLok reclamation services were developed to provide a reliable, end-of-life solution for safely handling mercury-containing devices large and small.

## **Safe, cost-effective processing.**

Our advanced facilities are designed to safeguard against human and environmental exposure to mercury vapors.

## **Right-sized solutions for your mercury-containing devices**

Waste Management provides turnkey management, packaging, transportation, recycling and reclamation of large and small mercury-containing devices and equipment – even items that are not easily shipped using industry-standard 5-, 16-, 30-, or 55-gallon drums.

## **The Assurance of Mercury VaporLok Technology**

Your devices are first packaged in protective packing materials, then safely enclosed inside our patented VaporLok bag and sealed, a method test-proven to contain 99.7% of the mercury vapors released in the event of accidental breakage.

## **Triple Protection During Transport**

Once the device is encased in bubble wrap and packed inside the Mercury VaporLok sealed bag, it is placed within our foam-lined packing crate. Custom designed to accommodate the dimensions of your device, the packing crate offers further protection during transportation to our recycling facility.

## **Reduced Risks and Liability**

Our Mercury VaporLok device packaging and recycling program assures professional and safe handling of mercury by-products, reducing exposure risks to employees, customers, and transporters.

How our Mercury VaporLok packaging and recycling program works.

### **Pre-job Activities**

You will need to inventory your mercury-containing devices and provide us with the device measurements, photos and/or original device specifications, if available. If you prefer, we can provide on-site inventory services for sizable jobs.

We will design safe and secure packaging systems that incorporate our patented Mercury VaporLok bag, further encased in a custom, cushioned outer shipping container to protect the contents.

We will pre-ship packaging materials to your site. These include all the materials needed for the service to be performed.

We will prepare all necessary paperwork, including all applicable material profiles, hazardous-material manifests, and shipping documents.

### **On-Site Activities**

Our trained personnel will arrive at your facility to safely perform the Mercury VaporLok packaging service.

Once the device has been sealed and prepared for shipment, we pre-arrange transportation by licensed hazardous-material carriers back to our recycling center.

### **Recycling**

We will perform the mercury retort and metal recycling. The US EPA recommends (RMERC) as the technology-based standard for most mercury by-products. Additionally, any metal scrap we remove will be further recycled.

We will supply you with a Certificate of Recycling after the device has been recycled.

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