

**For Superior Handling of Hazardous Waste.**

**Think Green.® Think Waste Management.**

**H**azardous wastes require handling and disposal by proven experts. Waste Management's hazardous waste services lead the industry in safety, reliability and technical sophistication while maintaining full compliance with all local, state and federal environmental regulations. Waste Management's excellent track record allows it to offer hazardous waste generators the industry's best indemnification package coupled with the economies of scale that come from working with North America's largest solid waste services company.

Waste Management's Hazardous Waste Services include:

#### **MICROENCAPSULATION**

Microencapsulation involves coating hazardous debris with a custom-tailored mixture of proprietary sealing agents, thus preventing them from interacting chemically with the surrounding environment. Most hazardous debris qualifies for this process. Microencapsulation is the preferred treatment for debris that can be fully coated on all surfaces, both exterior and interior.

#### **MACROENCAPSULATION**

Macroencapsulation is the process of placing hazardous debris in a special one-piece containment unit made from high-strength HDPE specially formulated to resist contaminants and leachate. A pozzolanic, flowable solid material such as fly ash or cement kiln dust seals the debris and fills any remaining voids inside the unit. After the lid is welded shut, the treated debris is placed in a Subtitle "C" landfill for safe, permanent disposal. Macroencapsulation is appropriate for virtually any hazardous debris that fits in a 20-cubic-yard roll-off box.

#### **BIOREMEDIATION**

Bioremediation is the treatment of organic chemicals with microorganisms (bacteria, fungi and yeast) to break them down into less toxic or non-toxic materials. Waste Management has several bioremediation services available, depending on the nature and size of the hazardous waste.

Bioremediation services include:

- The BioSite<sup>SM</sup> System for the off-site remediation of petrochemical-contaminated soils
- TOSS<sup>SM</sup> (Two-Step Static System) for the off-site treatment of soils contaminated with explosives
- Bio-In-A-Box<sup>SM</sup> for the off-site decontamination of all types of contaminated soils in drums or in bulk



From contaminated soils to industrial waste drums, Waste Management's Landfill and Industrial Services team has the knowledge, training, equipment and expertise to handle virtually any type and volume of hazardous waste.



Waste Management's trained and experienced equipment operators ensure the safe handling, processing and disposal of hazardous waste.



**LANDFILL &  
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**WM**  
WASTE MANAGEMENT

## Hazardous Waste Services



### SUBTITLE "C" SECURE LANDFILL SERVICES

Waste Management is currently operating five state-of-the-art facilities specially designed and permitted for hazardous waste processing and secure landfill disposal:

- Chemical Waste Management of the Northwest  
Arlington, Oregon
- Chemical Waste Management – Kettleman Hills  
Kettleman City, California
- Chemical Waste Management  
Emelle, Alabama
- Chemical Waste Management – Lake Charles  
Sulphur, Louisiana
- CWM Chemical Services  
Model City, New York

### STABILIZATION

Stabilization is the chemical treatment of wastes containing leachable metals prior to landfilling. Wastes that may require stabilization treatment include wastewater treatment residues, contaminated soils and incinerator ash. Hazardous wastes stabilized by Waste Management are often rendered non-hazardous and may be sent to a conventional Subtitle "D" landfill for permanent disposal.

### AQUEOUS TREATMENT

Water-based wastes received from customers and leachate pumped from landfills are treated through Waste Management's Aqueous Treatment System. The system consists of a series of treatment steps designed to remove metals and small amounts of organics from the liquids, after which any sludges produced are managed for permanent disposal.

### PCB DISPOSAL

Waste Management operates facilities permitted for the treatment and disposal of manufactured materials, soil, sediment and debris contaminated with polychlorinated biphenyls (PCBs). Services may include sampling and analysis, excavation, transport, secure landfill disposal or third-party incineration.

### DRUM MANAGEMENT SERVICES

Waste Management offers safe, reliable and cost-effective drum management services for businesses large and small. "LTL" (Less Than Truck Load) and full truck load quantities can be managed safely and economically. An expert in special and hazardous waste handling and disposal, Waste Management will collect, transport and arrange for the proper treatment and/or disposal of drums and their contents while maintaining compliance with all local, state and federal regulations. Whether drummed waste is hazardous or non-hazardous, liquid or solid, debris or soil, Waste Management will process it safely, reliably and economically.



*Hazardous waste is managed in accordance with strict local, state and federal environmental regulations.*

For more information on Waste Management's Hazardous Waste Services, contact your Waste Management Landfill and Industrial Services sales representative.

***From everyday collection to environmental protection,  
Think Green.® Think Waste Management.***



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