



Chemical Waste Management, Inc. Kettleman Hills



Chemical Waste Management, Inc. (CWM) Kettleman hills provides area businesses and industries with professional, safe and efficient environmental and hazardous waste treatment, storage and disposal services.

In operation since 1979, CWM Kettleman Hills (also referred to as Waste Management) is one of the most secure treatment and disposal facilities in the United States. At CWM Kettleman Hills, Waste Management offers a variety of hazardous and non-hazardous treatment solutions to its customers throughout the Southwestern states, including direct landfill, solidification, stabilization, microencapsulation, macroencapsulation, solar evaporation, drum management services and PCB disposal.

Disposal cells are constructed under strict EPA and California State guidelines, utilizing double layers of 60-mil high density polyethylene (HDPE) and compacted clay ($K \leq 10^{-7}$ cm/sec) permeability.

Additionally, groundwater below the facility is extremely deep (350'-600'). The groundwater is naturally non-potable and is not hydraulically connected to drinking aquifers. In 1989, the Regional Water Quality Control Board determined that the groundwater beneath the site is not a potential source of drinking water.

CWM Kettleman Hills is located midway between Los Angeles and San Francisco, and offers convenient access just minutes west of I-5, providing environmental and hazardous waste services for businesses and industries within California and surrounding states.

TREATMENT AND SERVICE OPTIONS

Asbestos disposal

Drum collection, treatment and transshipment for recycling and thermal treatment

Macroencapsulation

Microencapsulation

Non-hazardous disposal

RCRA hazardous and non-RCRA hazardous landfill disposal

Stabilization

Solar Evaporation

Solidification



Waste Management's Industrial and Hazardous Waste Services include:

Direct Landfill

CWM Kettleman is permitted for the direct landfill of non-RCRA California hazardous waste, TSCA-regulated PCB waste and RCRA wastes (that naturally meet treatment standards). CWM Kettleman routinely handles large volume soil projects delivered by truck. The personnel at CWM Kettleman are available to assist you with scheduling to ensure that your soil or remediation projects have streamlined access and quick turnaround times.

Solidification

Liquid wastes that are not subject to Land Disposal Restrictions (LDR) treatment standards must be solidified prior to placement in the landfill. CWM Kettleman Hills accepts liquids and sludges for solidification in bulk (tankers, vacuum trucks, and vacuum bins) and in non-bulk containers (drums and totes). Liquid wastes are transported to the Final Stabilization Unit, where they are solidified with flyash, or other suitable reagents prior to disposal in the landfill. Liquid wastes must have less than 500 ppmw volatile organics hazardous air pollutants (VOHAPs) in order to qualify for this process.

Stabilization

Hazardous waste requiring stabilization is treated using cement and/or cement byproducts, along with other reagents to reduce potential hazardous metals leachability. Process recipes are developed for each waste stream and post treatment analysis (TCLP) is performed to confirm that the recipe will treat the waste stream to levels below LDR standards. The stabilization operation is housed in a secondary containment building, comprised of four 85 cubic yard, in-ground mixing tanks. The building is equipped with an air pollution control device (baghouse), which prevents fugitive emissions from leaving the building.

Macroencapsulation

Macroencapsulation entails placing hazardous debris into a WM-patented, one-piece macroencapsulation unit made from high-strength HDPE, specially designed as a hazardous waste debris management container to reduce or eliminate leachability of the waste. Trained personnel fill any remaining void space with an inert material and then seal the container. The secure container is then transferred to an appropriate cell within the footprint of the RCRA Subtitle C landfill for permanent disposal. Macroencapsulation is appropriate for hazardous debris that fits in a 20 cubic yard roll-off box. Common examples include concrete, piping, filters, rags, hoses, crushed containers, wood and personal protection equipment (PPE).

Microencapsulation

Microencapsulation involves coating inorganic hazardous debris with a custom-tailored mixture of proprietary reagents that reduce the leachability of hazardous constituents from the debris. It is the preferred treatment method for debris that can be fully coated on all surfaces – both exterior and interior. Common examples include refractory brick, rocks and concrete.



Solar Evaporation

CWM Kettleman Hills has three active surface impoundments for solar evaporation, with a combined capacity of 10 million gallons. Each of the active impoundments is constructed with a double-composite liner and a Leachate Collection and Recovery System (LCRS) between the top and bottom composite liners. The LCRS is also a Leak Detection System. These impoundments are permitted to accept RCRA (which naturally meet treatment standards), non-RCRA and non-hazardous aqueous wastes that may include <10% solids for evaporation. Waste materials must meet applicable regulations, including California aqueous metal standards (Title 22, CCR, 66268.107) and have less than 100 ppm total VOCs (volatile organic compounds) without oil or grease in order to qualify for solar evaporation.

Drum Management Services

CWM Kettleman Hills offers reliable and cost-effective drum management services for LTL (Less-Than-Truckload) and full truckload quantities. Whether special, industrial or hazardous waste, we will arrange for the proper treatment and/or disposal of drums and their contents while maintaining compliance with all local, state and federal regulations. CWM Kettleman Hills serves as a regional disposal and transfer facility managing liquid and solids drums. Once received, drums are inspected and tested (in accordance with the Waste Analysis Plan). They are then consolidated, treated and/or disposed, or transshipped for further processing using other treatment technologies.

PCB Disposal

Polychlorinated biphenyls (PCBs) are chemical compounds once widely used in a variety of manufactured products including paints, adhesives, machinery lubricants and heat transfer fluids. CWM Kettleman Hills offers storage and transshipment of PCB drums, as well as drain and flush operations for PCB transformers.

Customer Service

Excellence in customer service is defined by our ability to find the best solution even if the solution is not immediately available. We're there to help you find the answers.

- Is it more cost effective to ship your material by drum or bulk?
- How do the treatment codes apply to this waste type?
- Can you get your material approved and processed for shipment this week?
- Could the Land Disposal Restrictions (LDR) apply to this waste stream?

If you have questions or challenges, we're here to help you find the solutions so that you can focus on your facility, your manufacturing activities or your remediation and land redevelopment projects. Our experienced Technical Service Representatives and Waste Approval teams are up to the challenge.



Commonly Accepted Waste Types*

- Asbestos
- Auto shredder residue
- Contaminated soils – RCRA and non-hazardous
- CERCLA waste
- Contaminated debris and equipment
- Debris for treatment or disposal (including empty tanks and vessels)
- Drummed wastes (liquid and solids)
- E&P waste
- Industrial & Special Waste
- Lab packs
- NORM waste
- Off-spec or out-of-date chemicals
- Palletized waste
- PCBs including capacitors and transformers
- Plating wastes
- Refinery wastes

Commonly Prohibited Waste Types*

- Biological agents or infectious wastes
- Class 1 explosives
- Compressed gas cylinders
- Regulated radioactive waste unless authorized for disposal by law

YEAR OPENED

1979

PROJECTED LIFE REMAINING

30+ years

FACILITY ACREAGE

1,600 acres

PERMITTED FOOTPRINT

555 acres

REMAINING PERMITTED CAPACITY

4.9 million yd³ in landfill B-18

OWNERSHIP

Chemical Waste Management, Inc.

RCRA PERMIT

RCRA EPA ID Permit CAT000646117

REGULATORY AGENCIES

EPA Region IX

California Department of Toxic
Substances Control (DTSC)

Central Valley Regional Water Quality
Control Board

San Joaquin Valley Air Pollution Control
District

Kings County Environmental Health
Services

OF EMPLOYEES

30

* Approvals are required for all waste types. Waste is accepted on a case-by-case basis.



CONTACT CWM KETTLEMAN HILLS

Technical Support

Technical Service Center California
800 963 4776
TSCCalifornia@wm.com

ADDRESS

35251 Old Skyline Road
Kettleman City, CA 93239

COMMUNITY RELATIONS

Cecilio Barrera

559 386 6129
cbarrera@wm.com

HOURS OF OPERATION

7:00am – 4:00pm PST
Monday – Friday

Closed Saturday and Sunday

Hours can be modified for special
projects or events

Questions about industrial and hazardous waste services?

Contact a Waste Management representative:



Call 800 963 4776



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Send an email to TSCCalifornia@wm.com