

# Chemical Waste Management of the Northwest



Chemical Waste Management, Inc. (CWM) Arlington provides area communities, businesses and industries with professional, safe, and efficient industrial and hazardous waste services.

Located in Arlington, Oregon, this facility provides cost-effective services to customers in the states of Washington, Oregon, Montana, Idaho, Utah, Wyoming, Hawaii, Alaska and provinces of Western Canada. CWM Arlington also offers services nationally through Waste Management's (WM) extensive rail transportation network. In operation since 1976, this award-winning, environmentally safe hazardous waste facility boasts a stellar safety record and an unmatched technical service team with more than 20 years experience per representative. CWM Arlington adheres to strict regulations administered and overseen by the Environmental Protection Agency (EPA) Region X and the Oregon Department of Environmental Quality (ODEQ). This facility is positioned on a 1288-acre site (with 320 acres permitted for disposal operations). The site is buffered by over 11,000 acres of undeveloped property owned by Waste Management.

One of the most secure treatment and disposal facilities in the world, this remote operation is built on top of layers of basalt from various formations. The disposal cells meet very strict EPA and state guidelines, and are constructed of 60 mil High Density Polyethylene (HDPE). Additional security measures include a sophisticated leachate collection system, monitoring wells, and a state-of-the-art leak detection system.

#### TREATMENT AND SERVICE OPTIONS

- Asbestos disposal
- Drum collection, treatment and transshipment
- Fuels blending
- Hazardous waste transportation
- Macroencapsulation
- Microencapsulation
- Non-hazardous disposal
- RCRA landfill disposal
- Rail transportation
- Stabilization
- Solidification
- Storage and transfer for recycling and thermal treatment
- Thermal desorption



## Waste Management's Industrial and Hazardous Waste Services include:

### Stabilization

Hazardous waste requiring stabilization is treated using cement and/or cement byproducts, along with other reagents to reduce the hazardous metals leachability. Process recipes are developed for each waste stream and post treatment analysis (TCLP) is run to confirm that the recipe will treat the waste stream to levels below Land Disposal Restriction (LDR) standards.

### Macroencapsulation

Macroencapsulation entails placing hazardous debris into a WM-patented, 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 safe, permanent disposal. Macroencapsulation is appropriate for virtually any hazardous debris that fits in a 20-cubic-yard roll-off box. Common examples include concrete, piping, filters, rags, hoses, crushed containers and motors.

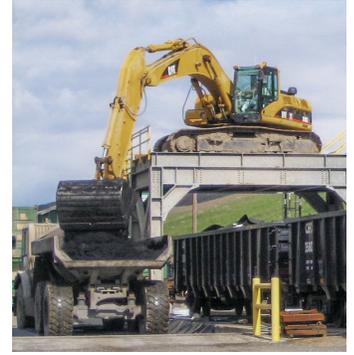
### Microencapsulation

Microencapsulation involves coating Inorganic Hazardous debris with a custom-tailored mixture of proprietary reagents that significantly reduce the leachability of hazardous constituents from the debris into the surrounding landfill environment. It is the preferred treatment method for debris that can be fully coated on all surfaces – both exterior and interior. Most hazardous debris qualifies for this treatment process. Common examples include refractory brick, rocks and concrete.

### 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. Our Arlington facility is able to provide the infrastructure, equipment and technical expertise to transport, treat and/or dispose of manufactured materials, soil, sediment and debris contaminated with PCBs in a manner that is both cost-effective and in compliance with all local, state and federal environmental regulations. CWM Arlington offers draining and flushing operations for PCB transformers.

- Transformers are decommissioned and landfilled or recycled
- Transformer fluid and flush material is transshipped to an approved incinerator for destruction
- PCB capacitors (depending on their size) are landfilled or transshipped to an approved incinerator for destruction
- PCB-contaminated equipment and debris is landfilled



## Drum Management Services

CWM Arlington offers safe, 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 Arlington serves as a regional disposal and transfer facility managing liquid and solids drums. Once received, drums are then tested, consolidated, treated or transhipped for further treatment using other treatment technologies.

## Thermal Desorption-Organic Recovery Unit

The Organic Recovery Unit (ORU) uses intense levels of heat to drive hazardous organic material, water and solids from soil or other media without allowing the heat source to come in direct contact with the waste. The organic vapors and water that is liberated from the soil or other media are condensed in a multi-stage condenser system and the resulting liquids can be recycled as fuel or sent off-site for further treatment. No contaminants are released into the atmosphere by the ORU process, and many former chemical constituents of concern are recycled into their primary components that can be later recovered for their fuel value.

## Transportation Services

Whatever the quantity or the size of your shipment, our transportation specialists are on hand and ready to assist you with the secure transport of your RCRA, TSCA or non-hazardous waste shipments. CWM Arlington has extensive experience in moving material by truck, rail or barge. The Arlington location has one of the largest private rail yards in the Western United States, currently receiving 6 full trains per week. We have over 4,000 containers of various sizes dedicated to this location and over 100 rail gondolas. Our Transportation Specialists have experience in moving hazardous materials for remote locations such as North Slope and Dutch Harbor, Alaska, Johnson Atoll, Hawaii, as well as locations all across North America. CWM Arlington's standard of care includes providing pre-populated manifests and/or drum labels. We will work around your schedule to coordinate and implement an economical solution to your transportation challenges.

## 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, rail 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 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 Approvals team are up to the challenge.



## Commonly Accepted Waste Types\*

- Asbestos
- Auto shredder residue
- CAMU-eligible waste as approved by the ODEQ
- Contaminated soils - hazardous (RCRA), non-hazardous and PCB (TSCA)
- CERCLA wastes
- Contaminated debris and equipment
- Debris for treatment or disposal (including empty tanks and vessels)
- Drummed wastes (liquid and solids)
- E&P wastes
- Industrial & special waste
- Lab packs
- Off-spec or out-of-date chemicals
- Palletized waste
- PCBs including capacitors and transformers
- Plating wastes
- Refinery wastes

### YEAR OPENED

1976

### PROJECTED LIFE REMAINING

100+ years

### FACILITY ACREAGE

1,288 acres

### PERMITTED FOOTPRINT

320 acres

### REMAINING PERMITTED CAPACITY

3.7 million yd<sup>3</sup> in landfill 14

### OWNERSHIP

Chemical Waste Management, Inc.

### PERMIT TYPE & PERMIT #

RCRA and TSCA EPA ID Permit  
ORD089452353

### REGULATORY AGENCIES

EPA Region X and the Oregon  
Department of Environmental Quality  
(ODEQ)

### # OF EMPLOYEES

55

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



### **CONTACT CHEMICAL WASTE MANAGEMENT OF THE NORTHWEST**

#### **Technical Support**

Technical Service Center Portland  
800 963 4776  
TSCPortland@wm.com

#### **ADDRESS**

17629 Cedar Springs Lane  
Arlington, OR 97812

#### **COMMUNITY RELATIONS**

##### **Jackie Lang**

503 493 7848  
jjlang@wm.com

#### **HOURS OF OPERATION**

8:00am – 4:30pm PST  
Monday – Friday  
Special hours available upon request

## **Questions about industrial and hazardous waste services?**

### **Contact a Waste Management representative:**



Call 800 963 4776



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