Trash (Refuse) & Hazardous Waste Disposal & Management

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Solid Waste Services
Monterey County Environmental Health Department
Purpose of Solid Waste & Hazardous Waste Regulations / Laws

- To Protect Public Health and Environment
- Prevent potential Health Risk
- Prevent nuisances
  - Odors
  - Visuals
  - Vectors
- Ensure recyclables, material, refuse, and all waste types are properly stored, transported, disposed of and/or treated.
- Cumulative waste, material, recyclables of residents and businesses becomes a large amount
  - MANAGEMENT IS GOAL
Definitions

- Monterey County Municipal Code 10.41.010
  - **Refuse** means both garbage and rubbish.
  - **Garbage** means all putrescible waste, all animal or vegetable refuse or residue, and all wrappers, packing materials and containers that result from preparation or care for, or treatment of, food stuff intended to be used as food.
  - **Rubbish** means nonputrescible waste, including unusable, unwanted or discard material resulting from normal community, business or residential activities, or materials which by their presence may injuriously affect the health, safety and comfort of person or may depreciate property values in vicinity, or both, including any rubbish having any salvage value, the owner to be salvaged for reuse or recycling.
  - **Trash** means nonputrescible waste, including discarded appliances, furniture, and similar bulky items which cannot be readily placed in an approved container but excluding debris, commercial solid waste, garbage and rubbish.
Solid Waste Storage Requirements 10.41.020

- Containers required on premises
  - Solid Waste / Recyclables / Green(Yard) waste
- Source Separation
  - All materials, waste, recyclables shall be disposed in their specified containers
  - Not all material and waste can be disposed of in franchise provided containers
- Agriculture Byproducts (culled fruit / vegetables)
  - Used for
    - animal feed,
    - returned to soil, or
    - recovered in an (approved) manner
  - Disposed at permitted disposal facility (if above are not met)
- Unlawful Accumulation of Solid Waste
Mandatory Solid Waste Collection
10.41.030

- **All solid waste** shall be collected from every occupied residence, apartment, or business **at least once a week by your local franchise solid waste hauler** as designated pursuant to Monterey County Code of Ordinance 10.41.030 (A)

- **Mandatory Payment of the rates** established by the Board.
  - Residents,
  - Owners of commercial & industrial businesses, or
  - Property owners

- **Exemption.** Mandatory Solid Waste collection **does not apply if** one of the following criteria is met:
  - The property is undeveloped or vacant.
  - All solid waste generated on the premises is recycled or composted.
  - Residential properties with long, narrow, or steep driveways in instances where the franchisee in the opinion of the Director of Health, is unable to properly and safely use franchisee’s equipment and granting such an exemption does not create a nuisance
Who is my trash, green waste and recycling collection service provider?

- If you are a business or resident, your Collection Service Providers (Franchisees) and the cities they service are listed below:

  - **GreenWaste** (831-920-6707)
    - City of Carmel-by-the-Sea
    - City of Del Rey Oaks
    - City of Marina
    - City of Pacific Grove
    - Sand City
    - City of Seaside
  
  - **Monterey Disposal Services** (831-372-7977)
    - City of Monterey
  
  - **Republic Services of Salinas** (831-775-3840)
    - City of Salinas
  
  - **Tri-Cities** (1-800-678-6798)
    - City of Greenfield,
    - City of Gonzales, and
    - City of Soledad
  
  - **Waste Management** (1-800-321-8226)
    - King City and
    - Unincorporated cities in Monterey County
United States Environmental Protection Agencies (EPA)

- **Hazardous Waste** is a waste with properties that make it dangerous or capable of having a harmful effect on human health or the environment.

Monterey County Municipal Code 10.41.010 (k)

- **Hazardous waste**
  - **Characteristics**
    - Quantity, concentration, or physical, chemical, or infectious
  - Cause or contribute to:
    - Mortality,
    - Illness, or
    - Hazard to human health or environment
  - Occurs when waste is improperly treated, stored, transported, or disposed of, or otherwise managed.
Definitions Continue

Monterey County Municipal Code

- **Household hazardous waste (HHW)** means any hazardous waste generated incidental to owning or maintaining a place of residence:
  - includes: pesticides, waste motor oil and antifreeze, car batteries, paints and related products, acids, and cleaners.
  - does not include: any waste generated in the course of operating a business at a residence.

Department of Toxic Substances Control (DTSC)

- **Universal wastes** are hazardous waste that are widely produced by households and many different types of businesses.
Universal waste are:

**Electronic Devices** (with or without Cathode Ray Tubes (CRT))
- CRTs & CRT Glass

**Batteries** (including nickel-cadmium, silver button batteries, mercury, alkaline, etc.)

**Electronic Lamps**
- Fluorescent tubes/bulbs
- High intensity discharge lamps
- Lamps with lead
- Sodium vapor lamps
- Electric lamps (with contained mercury)

**Mercury-containing Equipment**

**Non-empty aerosol cans**
Universal Waste Handler

1. A generator of universal waste or the owner or operator of a facility that
   - receives waste from another universal waste handler,
   - accumulates universal wastes, and
   - sends universal waste to another universal waste handler, a facility that accepts waste, or a foreign country.
A universal waste transporter is a person engaged in the offsite transportation of universal waste by air, rail, highway or water. A universal waste transporter may be:

1. Universal waste handler carrying universal waste in his or her own vehicle
2. A package shipping service (e.g., US Postal Service; FedEx, UPS)
3. A commercial carrier (e.g., a trucking company, a hauler specializing in universal waste, or the operator of a destination facility that offers a universal waste pick-up service)
Where can I send universal wastes?

- A handler **may not send** universal waste to a municipal solid waste (garbage) landfill or a non-hazardous waste recycling center.

- **All handlers of universal waste must relinquish their universal waste to one of the following:**
  
  1. **Another handler** (typically a business that specializes in collecting, storing, accumulating and shipping universal wastes). Examples:
     - A household hazardous waste facility
     - A “Take-it-Back Partner” such as a retailer or manufacturer
     - A collection event
  
  2. **A universal waste transporter.** Examples:
     - A curbside HHW collection program
     - A package service (e.g., postal service, UPS)
     - A destination facility that offers a pick-up service
  
  3. **A universal waste destination facility** (generally, a facility with a permit to treat, store, or dispose of hazardous waste).

**Universal Wastes may not be disposed of in the trash!**
Facilities in Monterey County

- **“ABOP” Stations** accepts
  - Antifreeze
  - Batteries (automotive only)
  - Oil: Used Motor oil & Filters
  - Paint (Latex) only

- **ABOP Locations in Monterey County:**
  - Monterey Regional Waste Management District HHW Collection Facility (Marina, CA)
  - Sun St. HHW Collection Facility at Sun St. Transfer Station (Salinas, CA)
  - Johnson Canyon Landfill (Gonzales, CA)
  - Jolon Road Transfer Station (King City, CA)
Household Hazardous Waste (HHW) Collection Facility

Sun Street HHW Facility (Salinas, CA) accepts:

- Aerosols (Full Spray Cans)
- Antifreeze (and other Auto Products)
- Auto Batteries
- Batteries (households)
- Cleaners (Bleach, Drain Openers, Toilet Cleaners)
- Cooking Oil/Grease
- Electronic Waste (TV’s, Computers, Cell Phones, etc.)
- Fluorescent Light Bulbs & Tubes
- Paint (Latex)
- Paint (Oil-based)
- Pesticides & Fertilizers and other Garden Chemicals
- Pharmaceuticals
- Sharps (Needles or Syringes)
- Thermometers, Thermostats & Other Mercury Containing Items
- Thinners & Solvents
- Used Motor Oil & Filters

*DOES NOT ACCEPT Medication/Pharmaceuticals

Important disposal information:

- Do not transport more than 15 gallons or 125 pounds of HHW.
- Bring chemicals in secure containers and do not mix them!
- Do not bring explosives, radioactive material, drums, medical waste (sharps OK), or unstable chemicals
- Residential customers can drop-off acceptable items for no charge and no appointment is necessary
- Charges apply for commercially generated waste or agricultural waste. Certain limitations apply to small businesses. Please call for more information before visiting the facility
- Commercial customers must make appointment by calling the facility directly Phone: (831) 424-5520
Household Hazardous Waste (HHW) Collection Facility

Monterey Regional Waste Management District

HHW Facility accepts:

- Cleaners
- Aerosols/Solvents/Kerosene
- Cooking Oil
- Paints (Paint, Stain, Varnish, Thinner, Adhesives)
- Outdoor products (Pesticides, Herbicides, Fertilizers, Pool & Hot tub chemicals, roofing cements, sealers)
- Auto Products (Fuel, Motor oil, filters, cleaners, solvents, antifreeze, fluids, batteries)
- Sharps / Over-the-counter Medication
- Universal Waste (Household Batteries, Fluorescent Bulbs, Mercury Bearing Items)
- Electronic Waste
- Propane tanks (up to 5 Gallons)
- Photo Development products
- Lead
- Asbestos (Nonfriable only. Must call for special instructions for transport)

Accepted materials can be received at the MRWMD Household Hazardous Waste Facility, from residents and small businesses (CESQGs) from within the District’s service area.

For information on other items, call the HHW Facility at 831-384-5313 ext. 27.
Which business can haul to a HHW Facility in Monterey County?

Only small quantity hazardous waste generators can self-haul hazardous waste.

What is a Small Quantity Generator?

- Small quantity generators generate less than 100 kg (half a drum) of hazardous waste per month.
Transportation, Disposal & Record Keeping

1. Generator must have EPA ID Number
   - Applies to:
     - Small Quantity &
     - Large Quantity Generators

2. Haz Waste must be hauled by **state registered transporter, or self-hauled to appropriate facility**

3. Records of all waste removed must be kept at least 3 years
   - Manifests - Original and copy signed by TSDF
     - Cradle-to-Grave Waste Management System
   - Receipts – Milk Run collections
Managing Hazardous Waste

We strengthen regulations and streamline waste management

Hazardous Waste Permanent State EPA ID Numbers

Hazardous waste permanent State EPA ID numbers are owner and site specific, and issued to people and businesses who generate one of the following:

- Less than 100 kg (27 gallons or 220 lbs) of RCRA hazardous waste per month
- Less than 1 kg of RCRA acutely hazardous waste per month
- Any amount of a non-RCRA hazardous waste per month

California-only waste is commonly known as non-RCRA waste. Examples of non-RCRA hazardous waste are used oil or universal waste. Examples of universal waste are fluorescent lamps, batteries, and mercury waste. For more information about universal waste, please visit DTSC’s page on universal waste. For the list of non-RCRA (California-only) waste codes, please go to California Hazardous Waste Codes.

How Do I Apply for a Permanent State EPA ID Number?

To apply for a permanent State EPA ID number, complete and submit the DTSC Form 1358 – Permanent State ID Number Application. There are no fees associated with obtaining a permanent State EPA ID number.

Since permanent State EPA ID numbers are owner and site specific, when the legal business owner and/or site location changes, a new State EPA ID number must be obtained.
Hazardous Waste Storage and Handling

1. Material and waste must be identified before handling & stored
2. Safety Data Sheet (OSHA)
3. Need proper containers and locations
4. Need labels and signs
5. Need not exceed proper Accumulation times
Hazardous Waste Storage Containers

1. Containers in good condition with tight fitting lids
2. **Compatible** with wastes stored
3. Kept closed when not in use
4. Handled or stored in a manner to prevent rupture or leakage
   *Secondary Containment !!*
5. Inspect
Hazardous Waste Haulers & Drop Off Locations

HALERS

Amposium Environmental
2055 Main Street, Suite 230
Irvine, CA 92614
Phone: (949) 757-1770
Fax: (949) 476-1764
Website: www.amposium.com

Bayside Oil II, Inc.
210 Encina Street
Santa Cruz, CA 95060
Phone: 1-800-435-7455
Fax: (408) 427-3773
Website: www.baysideoil.com

Clean Harbors Environmental Services
1010 Commercial Street
San Jose, CA 95112
Phone: (408) 451-5000
24 Hour: (800) OIL-TANK
Website: www.cleanharbors.com

Clean Tech Environmental, Inc.
2581 S. Brand Ave.
Glendale, CA 91205
Phone: (818) 251-9093
Fax: (818) 485-5788
Website: www.cleantechno.com

Ecology Control Industries
255 Park Boulevard
Richmond, CA 94801
Phone: (510) 252-1299
Fax: (510) 232-8700
Email: info@ecologycontrol.com

Notes: The list provided is for informational use only and not considered recommendations of Monterey or County Health Department Environmental Health Division. Not every company that performs these services could be listed.

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Conditionally Exempt Small Quantity Generators

- EXEMPT SMALL QUANTITY GENERATORS. If you generate no more than 220 lbs (100 kg or 27 gallons) of hazardous waste per month and less than 1 kg of “extremely hazardous waste” per month, you are a Conditionally Exempt Small Quantity Generator (CESQG).

- 3 requirements to remain exempt:
  1. Must identify all hazardous waste that you generate
  2. May not store more than 2,200 lbs (1,000kg) of hazardous waste on site at any time.
  3. Ensure proper treatment and disposal of your waste.
Why Hazardous Waste Requires Proper Disposal

- **Chemicals** in illegally disposed hazardous waste can be released into the environment and contaminate the following:
  - Air,
  - Water, and
  - Possible food we eat

- Throwing Hazardous Waste in the garbage can cause additional hazards to your garbage handlers (including Garbage Haulers)
  - Inadequate level of personal protective equipment & work equipment
  - Trained to handle Garbage (Refuse)... NOT HAZARDOUS WASTE
Why Hazardous Waste are not Accepted at Landfills

- Active Landfills in Monterey County are not engineered to take in chemicals in hazardous waste
- Mixed incompatible chemicals in hazardous waste can cause/generate:
  - Fires, gases, and/or explosions
- Highly Regulated & Engineered Facilities
  - Each Facility has a Solid Waste Facility Permit
    - Permitted and Engineered to only accept specific types of material and waste
    - Liners
  - Solid Waste Facilities regulated by Local Enforcement Agency (LEA)
    - Monterey County LEA: Monterey County Environmental Health Department
What Could Happen if… Chemicals in Hazardous Waste Enters the Landfill

- Chemical Run-off into Sedimentation Sediment Pond (Basin)
  - Purpose of Sediment pond is to capture eroded or disturbed soil that is washed off during rainstorms, and protect the water quality of nearby streams, rivers, or bays
  - Chemicals will contaminate storm-water run-off, creating a larger volume of waste that requires specialized treatment methods.

- Chemicals Run-off into water table in non-lined areas of Landfill

- $$$ = Costly to remove hazardous waste from Landfill.

- Endangering Solid Waste Handlers and customers
Monterey County Landfills

- **Class III Landfill:** Non-hazardous Solid Waste
  - Not allowed to accept Hazardous Waste
- **Landfill activities** include:
  - Disposal of municipal solid waste,
  - Material diversion processing to include a recycle drop-off area
  - Organics processing, and
  - Construction and demolition processing.
  - The area includes an antifreeze, batteries, oil, paint (ABOP) collection station.
- State Water Resources Control Board (SWRCB) (and its nine regional water quality control boards (RWQCB)
- California Department of Resources, Recycling and Recover (CalRecycle)
  - (Normally) Implemented by delegated authority, Local Enforcement Agency (LEA): Monterey County Environmental Health Department
    - California Code of Regulation (CCR) Title 23 and Title 14