

City of Fresno Construction and Demolition (C & D) Guide

C & D in Fresno

The City of Fresno's C&D recycling program helps the city comply with AB 939 (signed into California state law in 1989), which requires local governments to divert 50% of waste from landfills disposal by the year 2000, and each successive year thereafter. The State may issue monetary fines of up to \$10,000 per day for non-compliance.

CalGreen

The 2016 California Green Building Standards Code (CALGreen) requires the diversion of at least 65% of the construction and demolition waste generated during most "new construction" projects. Subsequent amendments have expanded upon what types of construction are covered.

CALGreen mandates permitted new residential and non-residential building construction, demolition and certain additions and alteration projects to recycle and/or salvage for reuse a minimum 65 percent of the nonhazardous construction and demolition (C&D) debris generated during the project (CALGreen sections 4.408, 5.408, 301.1.1 and 301.3) diversion requirement. **These updated requirements must be met in order to obtain a building permit.**

Which Projects are Subject to CALGreen?

- Construction and demolition of all permitted residential and non-residential buildings of any size.
- Additions to non-residential buildings of equal to or over 1,000 square feet or alterations of at least \$200,000 in permit valuation.
- Additions and alterations to residential buildings that increase the structure's conditioned area, volume or size are also required to meet the 65% minimum diversion requirement.

How Do I Comply?

- ✓ Utilize a waste management company that can provide verifiable documentation that 65% of construction waste is being diverted from the landfill.
- ✓ If you choose to self-haul, separate different waste materials into distinct containers for hauling or combine materials into one container for sorting at a permitted C&D recycling facility. Submit completed Waste Management Plan with weight tickets.
- ✓ The code also allows a disposal reduction option that can be met when the project's disposal rate is less than 2 lbs. per square foot for non-residential and high rise residential or less than 3.4 lbs. per square foot for low-rise residential.

Steps to Meeting CALGreen Requirements

STEP 1:

Determine if your project is required to meet the CALGreen Code. Contact the City's C&D Building & Safety Services for more information.

STEP 2:

Decide which method of compliance will be best for your project.

STEP 3:

Complete and submit a Waste Management Plan (WMP) Plan **WITH** your other required permit documents.

STEP 4:

Reduce, Reuse and Recycle at your building site. Either self-haul or hire a permitted C & D hauler.

STEP 5:

Complete a WMP and submit it to the C&D Program Coordinator for review to demonstrate compliance. **(Save your disposal and recycling receipts from self-hauls & sub-contractor hauls.)**



**Building & Safety Services
2600 Fresno St Room 3043
Fresno, CA 93721
559-621-8082**

Keep all C & D Debris Recycling and Disposal (Landfill) Receipts

All recycling and landfill tickets must have the permit number and construction site written on them. These receipts need to be submitted in a timely manner to avoid delays for final occupancy clearance and are necessary for mandatory C&D Debris compliance. The WMP and weight tickets must be submitted to the City of Fresno's Building & Safety Services at the time of project final.

Resource List

You may consult your Yellow Pages for a selection of the permitted C & D facilities. The following is an approved list of non-exclusive Roll-off Haulers.

AAA Temporary Bin Service	(559) 275-1444
AD & J Roll-Off Dumpster	(559) 647-6899
Allied Waste Service	(559) 275-1551
ALW Enterprises	(559) 275-2828
Bairos Recycling	(559) 233-0922
C&W Enterprises	(559) 325-2128
F-N-F Roll Off Service	(559) 318-0644
Green Valley Recycling	(559) 266-2650
Hinojosa Cleanup Service	(559) 647-2602
Industrial Waste & Salvage	(559) 233-1159
Katch Environmental	(559) 260-2992
Kroeker	(559) 237-3764
Mid Valley Disposal	(559) 237-9425
Mini Dumpsters of Fresno	(559) 696-6626
Nick's Trucking	(559) 281-2267
Pro Clean Up	(559) 994-1633
Pruner Enterprises	(559) 323-7689
Selma Disposal and Recycling	(559) 891-7694
TSG Recycling Disposal	(559) 442-0262
Waste Management of Fresno	(800) 870-9378
West Coast Waste	(559) 230-2467
Western Solid Waste	(559) 855-5222

C & D Materials included (but not limited to):

- Asphalt
- Concrete/Shotcrete & Stucco
- Masonry (bricks, concrete block, etc.)
- Drywall
- Rigid & Fiberglass Insulation
- Acoustic Ceiling Tile
- Carpet/Carpet Padding
- Metals
- Plastic
- Wood
- Glass
- Cardboard
- Pallets
- Yard Trimmings
- Others
- **Universal Waste (see Fact Sheet)**

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Building & Safety Services
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For more detailed information on
Construction and Demolition
requirements visit:

<http://www.calrecycle.ca.gov/condemo/>



Our mission is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

Fact Sheet, January 2010

Universal Waste Fact Sheet

California's Universal Waste Rule allows individuals and businesses to transport, handle and recycle certain common hazardous wastes, termed universal wastes, in a manner that differs from the requirements for most hazardous wastes. The more relaxed requirements for managing universal wastes were adopted to ensure that they are managed safely and are not disposed of in the trash.

What are Universal Wastes?

Universal wastes are hazardous wastes that are widely produced by households and many different types of businesses. Universal wastes include televisions, computers and other electronic devices as well as batteries, fluorescent lamps, mercury thermostats, and other mercury containing equipment, among others.

The hazardous waste regulations (Cal. Code Regs, tit. 22, div. 4.5, ch. 11 section 66261.9) identify seven categories of hazardous wastes that can be managed as universal wastes. Any unwanted item that falls within one of these waste streams can be handled, transported and recycled following the simple requirements set forth in the universal waste regulations (UWR) (Cal. Code Regs, tit. 22, div. 4.5, ch. 23)

Universal wastes are:

1. Electronic devices: Includes any electronic device that is a hazardous waste (with or without a Cathode Ray Tube (CRT)), including televisions, computer monitors, cell phones, VCRs, computer CPUs and portable DVD players.
2. Batteries: Most household-type batteries, including rechargeable nickel-cadmium batteries, silver button batteries, mercury batteries, alkaline batteries and other batteries that exhibit a characteristic of a hazardous waste
3. Electric lamps: Fluorescent tubes and bulbs, high intensity discharge lamps, sodium vapor lamps and electric lamps that contain added mercury, as well as any other lamp that exhibits a characteristic of a hazardous waste. (e.g., lead).
4. Mercury-containing equipment: Thermostats, mercury switches, mercury thermometers, pressure or vacuum gauges, dilators and weighted tubing, mercury rubber flooring, mercury gas flow regulators, dental amalgams, counterweights, dampers and mercury added novelties such as jewelry, ornaments and footwear.
5. CRTs: The glass picture tubes removed from devices such as televisions and computer monitors.
6. CRT glass: A cathode ray tube that has been accidentally broken or processed for recycling.
7. Non-empty aerosol cans

Universal Wastes may not be disposed of in the trash!





DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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Regulatory Standards for Universal Waste

The UWR has separate requirements for each of the three types of regulated entities:

1. Universal waste handlers
2. Universal waste transporters
3. Destination Facilities

Universal Waste Handlers

A universal waste handler is a generator of universal waste or the owner or operator of a facility that receives universal waste from another universal waste handler, accumulates universal waste, and sends universal waste to another universal waste handler, a facility that accepts hazardous waste, or a foreign country.

A universal waste handler may be:

1. A person (e.g., a household or business) who generates universal waste **but does not** accept universal waste from others
2. A person who accepts and accumulates universal waste generated by others at his or her facility
3. A person who accepts universal waste generated by others and conducts certain treatment and recycling activities allowed by the universal waste handler regulations

Management Requirements for Universal Waste Handlers (Cal. Code Regs, tit. 22, sections 66273.30-66273.39; additional requirements for handlers who conduct authorized treatment, Cal. Code Regs, tit. 22, sections 66273.70-.77)

- Do not dispose of universal waste or treat universal waste except as provided for in the regulations
- Notify DTSC and/or obtain an EPA identification number
- Use proper containment—non-leaking, compatible containers
- Segregate universal waste in distinct areas
- Determine if materials generated when handling/recycling are hazardous wastes
- Comply with applicable requirements for hazardous waste
- If applicable, comply with zoning requirements when storing universal wastes
- Have spill kits readily available to deal with accidental spills (mercury-containing devices)
- Use proper labeling and markings
- Accumulate universal waste no longer than one year





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- Provide personnel training to personnel who manage universal waste, or who supervise personnel who manage universal waste and keep training records
- Respond to releases of universal waste or its contents; determine if spill residuals are hazardous waste
- Track shipments by keeping records of what was received and shipped (name, address, quantities) for three years

Universal Waste Transporters

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)
 - If you do not own or operate a facility that accepts, generates, accumulates, or stores universal waste, but you pick up and transport universal waste (e.g., electronic devices from office complexes) to a recycling or collection facility, you are a universal waste transporter. Universal waste transporters do not need to notify DTSC or submit annual reports for their transportation activities.
 - Universal waste transporters may store universal waste at a transfer facility for up to 10 days (depending on local zoning). A universal waste transporter who exceeds this limit is considered a universal waste handler and is subject to the handler requirements summarized above.

Destination Facilities

A destination facility is a fully-regulated hazardous waste facility that treats, disposes of, or recycles a specific type of universal waste. Examples of destination facilities are hazardous waste recycling facilities and hazardous waste landfills. A destination facility shall manage the universal waste in accordance with the requirements and conditions in its hazardous waste facility permit, unless authorized by section 66273.60 of title 22 of the California Code of Regulations to manage it pursuant to the reduced requirements applicable to universal waste handlers. A destination facility is required to follow certain rules for shipping universal wastes off-site and for rejecting shipments that contain universal waste and is required to keep records of all shipments received for three years. A facility that only accepts and accumulates universal waste is not a destination facility. Such a facility is regulated as a universal waste handler.





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Households and Conditionally Exempt Small Quantity Universal Waste Generators (CESQUWG)

Two categories of universal waste handlers—households and CESQUWGs—are exempt from most of the requirements of the universal waste regulations provided they comply with certain conditions. Handlers who qualify for these exemptions are not required:

- To obtain an EPA ID number or otherwise notify DTSC;
- To keep records of shipments or provide annual reports to DTSC; or
- To label their universal waste.

A household is defined to include a single detached residence (e.g., a house) or a single unit of a multiple residence unit (e.g., an apartment or condominium). Households that generate hazardous wastes other than universal wastes (e.g., paints and motor oil) can visit DTSC's household hazardous waste Web page (<http://www.dtsc.ca.gov/HazardousWaste/UniversalWaste/HHW.cfm>) for information on how to properly dispose of them.

A Conditionally Exempt Small Quantity Universal Waste Generator (CESQUWG) is a universal waste generator who produces less than 100 kilograms (220 pounds) of RCRA hazardous waste, including universal waste that is RCRA universal waste and less than 1 kilogram of acutely hazardous waste in a calendar month. (RCRA hazardous waste is hazardous waste that is regulated under the hazardous waste regulations adopted by the U.S. Environmental Protection Agency.)

Pursuant to section 66273.8 of title 22 of the California Code of Regulations, a generator who meets the definition of a household or a CESQUWG is exempt from universal waste handler requirements provided he or she:

- 1) Does not dispose of universal waste;
- 2) Relinquishes universal waste only to another universal waste handler, a universal waste transporter, a destination facility, or a curbside household hazardous waste collection program; and
- 3) Does not conduct treatment of universal waste, except for limited activities enumerated in the regulations (e.g., removing batteries, light bulbs, or mercury switches). This exemption applies only to universal waste generated by the household (e.g. light bulbs, computers, televisions, thermostats, cell phones, etc.), not to universal waste accepted from other people.

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:





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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).

Search engines available to find locations accepting universal waste in your area:
E-Recycle.org; Earth911.org; CalRecycle database; DTSC map; HHW list;

***For more information, see DTSC’s Universal Waste Web page at:
<http://www.dtsc.ca.gov/HazardousWaste/UniversalWaste/index.cfm>***

Contact your DTSC regulatory assistance officer at: (800) 728-6942



BUILDING AND SAFETY SERVICES DIVISION

2600 FRESNO STREET • THIRD FLOOR • ROOM 3043
 FRESNO, CALIFORNIA 93721-3604
 (559) 621-8082 • FAX (559) 498-4357
 www.fresno.gov

DATE: _____

APPLICATION #: _____

WASTE MANAGEMENT PLAN (WMP) FOR CONSTRUCTION AND DEMOLITION DEBRIS

The California Green Building Standards (CALGreen) mandates that new residential and non-residential building construction, demolition and certain additions and alteration projects to recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition (C&D) generated during the project.

****THIS WMP FORM MUST BE SUBMITTED FOR APPROVAL PRIOR TO PERMIT ISSUANCE****

APPLICANT'S INFORMATION

Company/Individual Name:			<input type="checkbox"/> Contractor <input type="checkbox"/> Owner <input type="checkbox"/> Other _____
Address:			
City:	State:	Zip:	
Phone:	Email:		

PROJECT INFORMATION

Site Address:	Residential (circle all that apply): Construction Demolition Grading Renovation Remodel Addition
Project Description:	Non Residential (circle all that apply): Construction Demolition Grading Renovation Remodel Addition
	Does this project consist of a re-roof? <input type="checkbox"/> Yes <input type="checkbox"/> No Type of roof being replaced: Composition/Asphalt Wood Tile
	Square footage: _____ Value \$ _____

MATERIALS MANAGEMENT PLAN

Waste Management Company:	Self-Haul (Name):
Facilities to receive debris:	<input type="checkbox"/> Unknown at this time
	How will C&D debris be stored at project site? <input type="checkbox"/> Commingled and sorted offsite <input type="checkbox"/> Source separated onsite

The purpose of this plan is to identify and outline the methods to be used as the minimum requirements for a construction waste management plan. This construction waste management plan is hereby submitted to comply with Section 4.408 and Section 5.408 of the 2016 California Green Building Standards Code. By signing below, I acknowledge that I have read the terms and conditions of this WMP for this project and agree to my responsibilities to follow the procedures of this plan.

Signature

Printed Name

Date

WASTE MANAGEMENT PLAN (WMP) FOR CONSTRUCTION AND DEMOLITION DEBRIS

TERMS AND CONDITIONS

- Per 2016 CALGreen, 65% of all C&D debris generated must be recycled.
- This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. The majority of the waste that is generated on this jobsite will be diverted from the landfill and recycled for other use.
- Only approved Non-exclusive Franchise Haulers may be hired to collect and transport trash or C&D materials off the jobsite.
- You must keep all receipts and/or weight tickets from your project to be provided with the final Waste Diversion Log to City staff prior to or at the time of final inspection and occupancy.
- A Waste Management Plan (WMP) (Part 1) must be submitted and approved before to a building permit will be issued. The WMP serves as acknowledgment that 65% of all C&D debris generated must be recycled.
- A Subcontractor Acknowledgement Form (Part 2) must be completed for each subcontractor that comes on site to document that they have read and understand the conditions of the Waste Management Plan for the project. Waste prevention and recycling activities will be discussed at meetings with all subcontractors. As each subcontractor comes on site, the WMP coordinator will present him/her with a copy of the WMP, and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris.
- A Waste Diversion Log/Report (Part 3) with all supporting weight tickets must be completed and submitted to the City upon completion of the project. The Waste Diversion Log/Report will identify the total waste generated for both construction and demolition, the corresponding weight for each material type, total recycled and non-recycled waste, and percentage of recycled waste (min. 65%).
- The WMP, Acknowledgement Form, and Waste Diversion Forms must be kept on the jobsite for the duration of the project. City Inspection staff may review the documentation and jobsite anytime during construction to monitor compliance.
- Universal Waste: Non-residential additions and alterations to a building or tenant space shall require verification that Universal Waste items such as fluorescent lamps and ballasts and mercury containing thermostats are disposed of properly and diverted away from landfills.
- Resource List of approved C&D haulers:

AAA Temporary Bin Service	(559) 275-1444	AD & J Roll-Off Dumpster	(559) 647-6899
Allied Waste Service	(559) 275-1551	ALW Enterprises	(559) 275-2828
Bairos Recycling	(559) 233-0922	C&W Enterprises	(559) 325-2128
F-N-F Roll Off Service	(559) 318-0644	Green Valley Recycling	(559) 266-2650
Hinojosa Cleanup Service	(559) 647-2602	Industrial Waste & Salvage	(559) 233-1159
JPA Construction Clean Up	(714) 953-6705	Katch Environmental	(559) 260-2992
Kroeker	(559) 237-3764	Mid Valley Disposal	(559) 237-9425
Mini Dumpsters of Fresno	(559) 696-6626	Nick's Trucking	(559) 281-2267
Pro Clean Up	(559) 994-1633	Pruner Enterprises	(559) 323-7689

Red Bin Service

(559) 281-2296

TSG Recycling Disposal

(559) 442-0262

Waste Management of Fresno

(800) 870-9378

West Coast Waste

(559) 230-2467

Western Solid Waste

(559) 855-5222

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WASTE DIVERSION LOG

PROJECT ADDRESS: _____

CONTACT: _____ CONTRACTOR: _____

WASTE HAULING COMPANY: _____

This Form may be used to log all materials diverted OR provide a Waste Diversion Report from the Waste Hauling Company that documents the same information.

The Waste Diversion Log and all supporting weight tickets must be submitted prior to final inspection/occupancy.

WASTE MATERIAL	TONNAGE	MATERIAL WAS (Circle One)	RECEIVING FACILITY	% RECYCLED	TONNAGE RECYCLED
Asphalt		Recycled Reused Landfilled			
Concrete/Stucco		Recycled Reused Landfilled			
Brick		Recycled Reused Landfilled			
Drywall		Recycled Reused Landfilled			
Insulation		Recycled Reused Landfilled			
Carpet		Recycled Reused Landfilled			
Metals		Recycled Reused Landfilled			
Wood		Recycled Reused Landfilled			
Plastic		Recycled Reused Landfilled			
Glass		Recycled Reused Landfilled			
Cardboard		Recycled Reused Landfilled			
Trash		Recycled Reused Landfilled			
Other:		Recycled Reused Landfilled			
Other:		Recycled Reused Landfilled			
Other:		Recycled Reused Landfilled			
Other:		Recycled Reused Landfilled			
Other:		Recycled Reused Landfilled			

A. Total waste generated for this project:	Tons
B. Total waste to landfill (not recycled or reused):	Tons
C. Total recycled waste:	Tons
D. Percentage of recycled/reused waste: (C ÷ A)	%

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DATE: _____

APPLICATION #: _____

UNIVERSAL WASTE DIVERSION LOG
(Non-Residential Additions and alterations to a building or tenant space)

PROJECT ADDRESS: _____

CONTACT: _____ CONTRACTOR: _____

WASTE HAULING COMPANY: _____

This Form may be used to log all materials diverted OR provide a Waste Diversion Report from the Waste Hauling Company that documents the same information.

The Waste Diversion Log and all supporting weight tickets must be submitted prior to final inspection/occupancy.

WASTE MATERIAL	QUANTITIES	RECEIVING FACILITY
Electronic Devices		
Cathode Ray Tubes (TV and Computer glass)		
Batteries		
Fluorescent Lamps		
High Intensity Discharge Lamps		
Sodium Vapor Lamps		
Mercury Lamps		
Mercury Thermostats		
Mercury Switches		
Mercury Gauges		
Dilators and Weighted Tubing		
Gas Flow Regulators		
Counterweights and Dampers		
Other Mercury containing Equipment		
Non-empty Aerosol Cans		
Other:		
Other:		