



City of Victorville

Development Services

Planning ♦ Building ♦ Code Compliance ♦ Business License

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Construction Waste Management (CWM) Plan (Provide During Plan Review)

Building permit applicants must prepare a Construction Waste Management Plan as a means of documenting project compliance with the CalGreen Code, Sections 4.408, 5.408, and City Development Code Section 16-5.11, Construction Waste Diversion. Applicants must complete this form and submit it with each building permit application to the City of Victorville Building Division.

Project Name: _____

Permit #: _____

Project Manager: _____

Waste Hauling Company: _____

Contractor Name: _____

Under the terms of the CalGreen Code, contractors must choose one of the following means to recycle a **minimum** of 65% of the construction debris from landfills. The chosen company shall provide verifiable documentation of diverted percentages. Please check the appropriate box indicating the recycling method of your choice:

- Contract for hauling services with the City's franchise hauler, assuring that all project debris will be taken to the Victorville Landfill Diversion Program.
- Self haul all project debris to the Victorville Landfill Diversion Program.
- Self haul all project debris to an appropriate Construction Materials Recycling Facility.
- Contract with construction site cleanup company to haul and recycle project debris.

Disposal Tonnage

Estimated tonnage of waste to be generated by project:	
Estimated tonnage of waste to be recycled by project:	

All Subcontractors shall comply with the project's Construction Waste Management Plan.
All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet (page 4 of 6).
No permit will be issued without the completion and approval of a Construction Waste Management Plan.

In addition:

1. Construction Waste Management Worksheet identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated and final diversion rate (pages 3 and 5 of 6).
2. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or donated to charity if feasible.
3. Debris from jobsite office and meeting rooms will be collected by _____
(Disposal Service Company)
_____ will, at a minimum, recycle office paper, plastic, metal and cardboard.
(Disposal Service Company)

I am aware that all receipts, weight tickets, invoices or other acceptable evidence of recycling construction debris must be provided to the City prior to final inspection as proof that at least 65% of the amount of debris generated by this project was recycled and that non-compliance will result in project delay or no final inspection.

Signature:		Title:
Print Name:		



Construction Waste Management (CWM) Plan Acknowledgement

(Provide During Plan Review)

The City of Victorville is mandated by the State of California to implement programs to reduce the amount of waste sent to landfills by 65% by the year 2011 and beyond. In order to comply with this State mandate, the City requires all general contractors, subcontractors or homeowners to provide a Construction Waste Management Plan (CWM). The plan outlines how recoverable material will be diverted from the landfill. ***Weight slips documenting the actual disposed and diverted amounts must be provided. The final CWM must be completed at the conclusion of the project and submitted to the Building Division prior to final inspection.*** An estimated CWM must be completed and submitted to the Building Division prior to permit issuance.

Contractors who need information on local scrap metal recyclers, asphalt and concrete recyclers, or brush and wood recyclers should contact the City of Victorville Recycling Program at (760) 955-8615.

Acknowledgement

I have received a copy of the City of Victorville's Construction Waste Management Plan. It is acknowledged and agreed that during construction the _____ will monitor and maintain compliance with the

(Name: General Contractor, Subcontractor or Homeowner)

Construction Waste Management Plan provided to the City of Victorville by the _____.

(Name: General Contractor, Subcontractor or Homeowner)

The signature below represents acknowledgement and agreement with the City of Victorville Development Code Section 16-5.11, Construction Waste Reduction, Disposal and Recycling Plan. Prior to final inspection, the complete CWM Package, Pages 1 through 6, shall be provided to the Building Division.

Company Name: (General Contractor, Subcontractor or Homeowner)		
Responsible Person's Name:		Responsible Person's Signature:
CSLB License:	Date Signed:	Position with Company or Title:



Construction Waste Management Plan Worksheet Part 1

(Provide During Plan Review and During Construction)

Part One: Anticipated Material Disposal/Diversions Worksheet

Please complete this Worksheet to help identify the types of materials, estimated quantities, and how the waste material will be reduced, recycled or disposed from your project site. Estimates should be calculated in tons (see Materials Conversion Table on page 6 for conversion factors if needed).

Comingling Sorting Sorted on Site

Project Name: _____				
APN: _____		Permit #: _____		
Material Type	A Total Quantity Construction Wastes	B Salvaged or Reuse	C Recycled	D Disposal (non- recyclable)
<i>Example: Asphalt</i>	<i>1 tons</i>	<i>0.25 tons</i>	<i>0.5 tons</i>	<i>0.25 tons</i>
Asphalt				
Concrete				
Shotcrete				
Metals				
Wood				
Rigid insulation				
Fiberglass insulation				
Acoustic ceiling tile				
Gypsum drywall				
Carpet/carpet pad				
Plastic pipe				
Plastic buckets				
Plastic				
Hardiplank siding and boards				
Glass				
Cardboard				
Pallets				
Job office trash, paper, glass & plastic bottles, cans, plastic				
Alkaline and rechargeable batteries, toner cartridges, and electronic devices				
Other (specify)				
TOTALS				

(Total Column B + Column C) / Column A = # x 100% = Total Diversion Percentage _____%
 (The percentage listed shall be greater than or equal to 65%)

- OR -

Total pounds disposed/total square footage of project = _____ lbs/sq ft (low rise residential: maximum 3.4 lb/sq ft; high rise residential: maximum 2 lb/sq ft)
 Are the lbs/sq ft listed above < / = 2 pounds/square foot (non-residential new construction only) Yes No



Construction Waste Management Plan Worksheet Part 2

(Due Prior to Final Construction)

Part Two: Actual Material Disposal/Diversion Worksheet

Please complete this Worksheet to identify the types of materials, quantities, and the waste that was actually reduced, recycled or disposed from your project site. Values are to be calculated in tons (see Materials Conversion Table on page 6 for conversion factors if needed).

Comingling Sorting Sorted on Site

Project Name: _____
 APN: _____ Permit #: _____

The signature below represents that the information provided on this form is true and correct and certifies that I have tracked construction waste during the course of this project and that a minimum of 65% of the total waste has been diverted for either reuse or recycling.

Company Name (General Contractor, Subcontractor, or Homeowner): _____
 Responsible Person's Name: _____ Responsible Person's Signature: _____
 Position with Company or Title: _____ Date Signed: _____ CSLB License: _____

Material Type	A Total Quantity Construction Wastes	B Salvaged or Reuse	C Recycled	D Disposal (non-recyclable)
<i>Example: Asphalt</i>	<i>1 tons</i>	<i>0.25 tons</i>	<i>0.5 tons</i>	<i>0.25 tons</i>
Asphalt				
Concrete				
Shotcrete				
Metals				
Wood				
Rigid insulation				
Fiberglass insulation				
Acoustic ceiling tile				
Gypsum drywall				
Carpet/carpet pad				
Plastic pipe				
Plastic buckets				
Plastic				
Hardiplank siding and boards				
Glass				
Cardboard				
Pallets				
Job office trash, paper, glass & plastic bottles, cans, plastic				
Alkaline and rechargeable batteries, toner cartridges, and electronic devices				
Other (specify)				
TOTALS				

THE SAME CALCULATION USED IN PART 1 MUST BE USED IN PART 2
 (Total Column B + Column C) / Column A = # x 100% = Total Diversion Percentage _____ %
 Is the percentage listed above greater than or equal to 65% Yes No

- OR -
 Total pounds disposed/total square footage of project = _____ lbs/sq ft (low rise residential: maximum 3.4 lb/sq ft; high rise residential: maximum 2 lb/sq ft)
 Are the lbs/sq ft listed above < / = 2 pounds/square foot (non-residential new construction only) Yes No



Construction Waste Management (CWM) Plan Conversion Chart

Material	Pounds/CY	Tons/CY
Acoustical Ceiling Tiles	68	0.03
Asphalt	1380	0.69
Brick	3024	1.51
Cardboard	100	0.05
Carpet	84	0.04
Concrete	1855	0.93
Drywall	1620-2160	0.81-1.08
Fiberglass Insulation	17	0.085
Glass (Window)	80-100	0.04-0.05
Gypsum Drywall	500	0.27
Mixed Construction & Demolition Debris	900	0.45
Mixed Office Recycling	363.5	0.18
Mixed Plastics	32	0.02
Mixed Waste/Trash	100-350	0.05-0.0178
Pallet	35 (one average size)	0.175
Plastic Pipes	341	0.17
Scrap Metal	906	0.45
Wood	329	0.27
Brush (prunings)	47	0.02
Pine Needles	74	0.04
Stumps	1080	0.54
Metals	906	0.45

For more conversion factors, please visit: <http://www.calrecycle.ca.gov> and search "Conversion Factors".

Single Family Residential ONLY

Table 2: National Association of Home Builders Construction Waste Estimate of a Typical 2000 sq ft House

Material	Weight (lbs)	Volume (CY)
Solid Dimensional Wood	1600	6
Engineered Wood	1400	5
Drywall	2000	6
Cardboard	600	20
Metal	150	1
PVC	150	1
Masonry	1000	1
Hazardous Materials	50	-
Other	1050	11
TOTAL	8000	50