

**2019 California Green Building Standards Code**  
**Residential and Non-Residential Development**  
**Compliance Forms and Worksheets**



**Kern County Public Works Department**  
**Building Inspection Division**

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Phone: (661) 862-5100

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January 01, 2020

# Construction Waste Management (CWM) Plan

Permit No.: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Waste Hauling Co.: \_\_\_\_\_

Contact Name: \_\_\_\_\_

All Subcontractors shall comply with the project's Construction Waste Management Plan.  
All Subcontractor foremen shall sign the CWM Plan Acknowledgment Sheet.

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. For instance, Subcontractors who contaminate debris boxes that have been designated for a single material type will be subject to backcharge or withheld payment, as deemed appropriate.

1. The project's overall rate of waste diversion will be 65% minimum.
2. 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.
3. The Construction Waste Management (CWM) Worksheet, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated diversion rate.
4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. All Subcontractor foremen will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgment Sheet enclosed. The CWM Plan will be posted at the jobsite.
5. 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.
6. \_\_\_\_\_ [HAULING COMPANY] will provide a commingled drop box at the jobsite for most of the construction waste. These commingled drop boxes will be taken to \_\_\_\_\_ [SORTING FACILITY NAME], \_\_\_\_\_ [SORTING FACILITY LOCATION]. The average diversion rate for commingled waste will be \_\_\_\_%. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to ensure the highest waste diversion rate possible.
7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.

## Notes:

1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area.
2. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduction percentage calculations.
8. \_\_\_\_\_ [HAULING COMPANY] will track and calculate the quantity (in tons) of all waste leaving the project and calculate the waste diversion rate for the project. The Hauling Company will provide the Project Manager with an updated monthly report on gross weight hauled and the waste diversion rate being achieved on the project. The Hauling Company's monthly report will track separately the gross weights and diversion rates for commingled debris and for each source-separated waste stream leaving the project. In the event that the Hauling Company does not service any or all of the debris boxes on the project, the Hauling Company will work with the responsible parties to track the material type and weight (in tons) in such debris boxes in order to determine waste diversion rates for these materials.
9. In the event that Subcontractors furnish their own debris boxes as part of their scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide the Hauling Company weight and waste diversion data for their debris boxes.
10. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste, the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types are to be consolidated. These collection points are not to be contaminated with non-designated waste types.
11. Debris from jobsite office and meeting rooms will be collected by \_\_\_\_\_ [DISPOSAL SERVICE COMPANY]. The Disposal Service Company will, at a minimum, recycle office paper, plastic, metal and cardboard.

# Construction Waste Management (CWM) Worksheet

Permit No.: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Waste Hauling Co.: \_\_\_\_\_

Construction Waste Management (CWM) Plan			
Waste Material Type	Diversion Method:		Projected Diversion Rate
	Commingled and Sorted Off Site	Source Separated On Site	
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, and plastic			
Alkaline and rechargeable batteries, toner cartridges, and electronic devices			
Other:			
Other:			
Other:			
Other:			

<p><b>Contractor (Documentation Author's / Responsible Designer's Declaration Statement)</b></p> <ul style="list-style-type: none"> <li>I certify that this Certificate of Compliance documentation is accurate and complete.</li> <li>I certify that the features and performance specifications for the design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 11 of the California Code of Regulations.</li> <li>The design features identified on this Certificate of Compliance are consistent with the information documented on other applicable compliance forms, worksheets, calculations, plans, and specifications submitted to the enforcement agency for approval with the permit application.</li> </ul>	
Signature: _____	
Company: _____	Date: _____
Address: _____	License: _____
City/State/Zip: _____	Phone: _____

# Construction Waste Management (CWM) Acknowledgment

Permit No.: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Waste Hauling Co.: \_\_\_\_\_

<b>CWM Plan Acknowledgment</b>			
<b>The Foreman for each new Subcontractor that comes on site is to receive a copy of the Construction Waste management Plan and complete this Acknowledgement Form.</b>			
I have read the Waste Management Plan for the project; I understand the goals of this plan and agree to follow the procedures described in this plan.			
Date	Subcontractor Company Name	Foreman Name	Signature

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Company: _____	Date: _____
Address: _____	License: _____
City/State/Zip: _____	Phone: _____

# Finish Material Certificate Adhesives & Sealants

Permit No.: \_\_\_\_\_

FINISH	WHERE USED (TYPE)	MANUFACTURER	VOC LIMIT (GPL) <sup>1, 2</sup>	SUBCONTR. INITIAL
<b>ARCHITECTURAL APPLICATIONS</b>				
Indoor carpet adhesives			50	
Carpet pad adhesives			50	
Outdoor carpet adhesives			150	
Wood flooring adhesive			100	
Rubber floor adhesives			60	
Subfloor adhesives			50	
Ceramic tile adhesives			65	
VCT and asphalt tile adhesives			50	
Drywall and panel adhesives			50	
Cove base adhesives			50	
Multipurpose construction adhesives			70	
Structural glazing adhesives			100	
Single-ply roof membrane adhesives			250	
Other adhesives not specifically listed			50	
<b>SPECIALTY APPLICATIONS</b>				
PVC welding			510	
CPVC welding			490	
ABS welding			325	
Plastic cement welding			250	
Adhesive primer for plastic			550	
Contact adhesive			80	
Special purpose contact adhesive			250	
Structural wood member adhesive			140	
Top and trim adhesive			250	

<b>SUBSTRATE SPECIFIC APPLICATIONS</b>				
Metal to metal			30	
Plastic foams			50	
Porous material (except wood)			50	
Wood			30	
Fiberglass			80	
<b>SEALANTS &amp; CAULKS</b>				
Architectural			250	
Marine deck			760	
Nonmembrane roof			300	
Roadway			250	
Single-ply roof membrane			450	
Other			420	
<b>SEALANT PRIMERS</b>				
Architectural Nonporous			250	
Porous			775	
Modified bituminous			500	
Marine deck			760	
Other			750	

<sup>1</sup> (GPL) = Grams per liter

<sup>2</sup> Where no local or regional air pollution control or quality management district rules are applicable, use the VOC limits in this table

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Signature:

Company:

Date:

Address:

License:

City/State/Zip:

Phone:

# Finish Material Certificate Composite Wood Products

Permit No.: \_\_\_\_\_

FINISH	FORMALDEHYDE LIMITS <sup>1</sup> (Maximum emissions in Parts per Million)	SUBCONTRACTOR INITIAL
Hardwood plywood veneer core	0.05	
Hardwood plywood composite core	0.05	
Particleboard	0.09	
Medium density fiberboard	0.11	
Thin medium density fiberboard <sup>2</sup>	0.13	

<sup>1</sup> Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see *California Code of Regulations*, Title 17, Sections 93120 through 93120.12.

<sup>2</sup> Thin medium density fiberboard has a maximum thickness of <sup>5</sup>/<sub>16</sub> inch.

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Signature:

Company:

Date:

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License:

City/State/Zip:

Phone:

# Finish Material Certificate Flooring Systems

Permit No.: \_\_\_\_\_

FINISH	MANUFACTURER	CERTIFICATION ORGANIZATION	SUBCONTRACTOR INITIAL
Carpet		Carpet and Rug Institute's Green Label Plus Program <sup>C,R</sup>	
		Specification 01350 <sup>C,R</sup>	
		NSF/ANSI 140 – Gold Level or higher <sup>C</sup> NSF/ANSI 140 – Gold Level <sup>R</sup>	
		Scientific Certifications Systems Sustainable Choice <sup>C</sup> Scientific Certifications Systems Indoor Advantage™ Gold <sup>R</sup>	
		2014 CA-CHPS <sup>C</sup>	
Carpet cushion		Carpet and Rug Institute's Green Label Program <sup>C,R</sup>	
Resilient flooring		RFCI FloorScore program <sup>C,R</sup>	
		California Department of Public Health's 2010 Standard Method for Testing and Evaluation Chambers, Version 1.1, February 2010 <sup>C</sup> CHPS Low-Emitting Material <sup>R</sup>	
		2014 CA-CHPS <sup>C</sup>	
		UL GREENGUARD Gold <sup>C,R</sup>	
		Specification 01350 <sup>R</sup>	

<sup>C</sup>Applies to Commercial Projects

<sup>R</sup>Applies to Residential Projects

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Date: \_\_\_\_\_

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License: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_



# Finish Material Certificate Architectural Coatings

Permit No.: \_\_\_\_\_

FINISH	WHERE USED (TYPE)	MANUFACTURER	VOC LIMIT (GPL) <sup>1</sup>	SUBCONTR. INITIAL
<b>PAINTS &amp; COATINGS</b>				
Flat coatings			50	
Nonflat coatings			100	
Nonflat-high gloss coatings			150	
<b>SPECIALTY COATINGS</b>				
Aluminum roof coatings			400	
Basement specialty coatings			400	
Bituminous roof coatings			50	
Bituminous roof primers			350	
Bond breakers			350	
Concrete curing compounds			350	
Concrete/masonry sealers			100	
Driveway sealers			50	
Dry fog coatings			150	
Faux finishing coatings			350	
Fire resistive coatings			350	
Floor coatings			100	
Form-release compounds			250	
Graphic arts coatings (sign paints)			500	
High temperature coatings			420	
Industrial maintenance coatings			250	
Low solids coatings <sup>2</sup>			120	
Magnesite cement coatings			450	
Mastic texture coatings			100	
Metallic pigmented coatings			500	
Multicolor coatings			250	

Pretreatment wash primers			420	
Primers, sealers, and undercoaters			100	
Reactive penetrating sealers			350	
Recycled coatings			250	
Roof coatings			50	
Rust preventative coatings			250	
Shellacs Clear Opaque			730 550	
Specialty primers, sealers, and undercoaters			100	
Stains			250	
Stone consolidants			450	
Swimming pool coatings			340	
Traffic marking coatings			100	
Tub and tile refinish coatings			420	
Waterproofing membranes			250	
Wood coatings			275	
Wood preservatives			350	
Zinc-rich primers			340	

<sup>1</sup> (GPL) = Grams per liter of coating

<sup>2</sup> Grams of VOC per liter of coating, including water and including exempt compounds.

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