



# CONSTRUCTION WASTE MANAGEMENT PLAN

Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Building Permit #: \_\_\_\_\_ Project Sq. Ft.: \_\_\_\_\_  
Contractors Name: \_\_\_\_\_ Telephone: \_\_\_\_\_  
Owners Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

This construction waste management plan is hereby submitted to comply with either section [4.408.2](#) (residential) or section [5.408.1.1](#) (nonresidential) of the current California Green Building Standards Code.

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 when the local jurisdiction does not have a construction and demolition waste management ordinance per Section 4.408.2. (Residential) or Section 5.408.1.1 (Non-Residential)

1. The method of waste tracking to be used on this project will be: (Check one box)

- Volume**     **Weight**     **4 Lbs. per Sq. Ft.**     **Recycling Facility**

2. Construction waste generated on this project for transport to a recycling facility will be: (Check appropriate box)

- Sorted on-site (Source-separated)**     **Bulk mixed (Single stream)**

3. The facility (or facilities) where the construction waste material will be taken is:

Name of Facility: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

(Attach separate sheet for additional facilities)

4. The following construction methods will be used to reduce the amount of waste generated: (Check all that apply)

- Efficient design (dimensions of building components are designed to available material sizes or standard sizes).  
 Careful and accurate material ordering.  
 Careful material handling and storage.  
 Panelized or prefabricated construction.  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

5. Waste reduction and recycling strategies shall be discussed at periodic project meetings. Each new [Contractor]\* that comes onto the site shall be provided with a copy of the CWMP, which shall also be posted in the project office. The [Project Manager]\* shall also instruct all [Subcontractors]\* as to the location and proper use of debris boxes for disposal of construction waste materials.



# Current CALGreen Construction Waste Management Requirements

| Residential Compliance Methods (4.408)     |  |   |   |   |
|--|--|---|---|---|
| Occupancy                                  | Covered Projects                           | Waste Diversion   | Waste Diversion Tracking  | Space Enclosure   |
| New Construction & Demolition <sup>5</sup> | Locally Permitted Structures (301.3.2)     | <p>≥ 65% Waste Diversion (4.408.1)</p> <p>Or</p> <p>≤ 3.4 lbs/ft<sup>2</sup> disposal for low-rise, ≤ 3 stories (4.408.4)</p> <p>Or</p> <p>≤ 2 lbs/ft<sup>2</sup> disposal for high-rise, ≥ 4 stories (4.408.4.1)</p> | <p>Submit a Waste Management Plan (4.408.2)</p> <p>Or</p> <p>Use a waste management company with verifiable documentation (4.408.3)</p> | <p>Provide areas that serve the entire building for depositing, storage and collection of materials for recycling including metals, paper, glass, cardboard, plastics and organic waste (4.410.2)</p> <p>Only applies to multifamily dwellings<sup>6</sup> with ≥ 5 units (4.410.2)</p> |
|  |  | <p>≥ 65% Waste Diversion (4.408.1)</p>  |   | <p>NA</p>   |
| Additions                                  | Certain additions (301.1.1) <sup>7</sup>   | <p>≥ 65% Waste Diversion (4.408.1)</p>  | <p>Use a waste management company with verifiable documentation (4.408.3)</p>   | <p>NA</p>   |
| Alterations                                | Certain alterations (301.1.1) <sup>8</sup> |   |   | <p>NA</p>   |

<sup>5</sup> - Projects with demolition-only permit (not included with a construction permit) is outside the scope of the CALGreen building code. Therefore, jurisdictions using CALGreen for C&D waste management should address recycling in demolition-only projects should they occur.

<sup>6</sup> - See Section 1102A.1 for CALGreen’s definition of multifamily dwellings.

<sup>7</sup> - Section 301.1.1 applies to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. Applies only to and or within the specific area of addition or alteration.

<sup>8</sup> - Section 301.1.1 applies to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. Applies only to and or within the specific area of addition or alteration.

## Current CALGreen Construction Waste Management Requirements

| Non-Residential Compliance Methods (5.408) |  |   |  |  |   |
|--|--|---|--|--|---|
| Occupancy                                  | Covered Projects                       | Waste Diversion   | Waste Diversion Tracking   | Space Enclosure  | Universal Waste   |
| New Construction & Demolition <sup>1</sup> | Locally Permitted Structures (301.3.2) | ≥ 65% Waste Diversion (5.408.1)<br>Or<br>≤ 2 lbs/ft <sup>2</sup> Disposal (5.408.1.3) | Submit a Waste Management Plan (5.408.1.1)<br>Or<br>Use a waste management company with verifiable documentation (5.408.1.2) | Provide areas that serve the entire building for depositing, storage and collection of materials for recycling including metals, paper, glass, cardboard, plastics and organic waste (5.410.1) | NA  |
| Additions                                  |  |   |  | See Above (5.410.1)<br>Applies to certain additions <sup>2</sup> (5.410.1.1)   | Verify that Universal Waste is properly disposed. A list of materials shall be in the construction documents (5.408.2)<br>Applies to certain additions <sup>3</sup> (301.3) |
| Alterations                                |  |   |  | NA<br>Applies to certain alterations <sup>4</sup>  | See Above (5.408.2)   |

<sup>1</sup> Projects with demolition-only permit (not included with a construction permit) is outside the scope of the CALGreen building code. Therefore, jurisdictions using CALGreen for C&D waste management should address recycling in demolition-only projects should they occur.

<sup>2</sup> All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site. CALGreen Section 5.410.1.1

<sup>3</sup> Applies to nonresidential additions 1,000 ft<sup>2</sup> or greater. CALGreen Section 301.3

<sup>4</sup> Applies to building alterations with a permit valuation of \$200,000 or above. CALGreen Section 301.3

# Current CALGreen Construction Waste Management Requirements

## Waste Diversion Requirement

- Newly constructed buildings and demolition projects shall divert from landfills at least 65% of the construction and demolition (C&D) materials generated at the project site.
- All locally permitted additions and alterations to **non-residential** projects shall also meet the minimum 65% waste diversion requirement.
- Additions and alterations to **residential** buildings that increase the structure's conditioned area, volume or size are also required to meet the 65% waste diversion requirement.

## Methods of Compliance

- 1) Enforcing agencies can require contractors to develop and maintain a waste management plan and document diversion and disposal. OR
- 2) Utilize a waste management company that can provide verifiable documentation that it meets 65% waste diversion. OR
- 3) Use a waste stream reduction alternative:
  - Non-residential new construction and residential high rise (4 stories or more) projects with a total disposal weight of  $\leq 2$  lbs/ft<sup>2</sup> meets the 65% waste diversion requirement.
  - Residential low rise (3 stories or less) with new construction disposal of  $\leq 3.4$  lbs/ft<sup>2</sup> meets the 65% waste diversion requirement.

## Recycling by Occupants (Space for Recycling)

- Newly constructed non-residential buildings, certain non-residential additions and multi-family housing with  $\geq 5$  units should provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at minimum) paper, corrugated cardboard, glass, plastics, organic waste and metals.

## Universal Waste

- Universal waste (such as batteries, e-waste, lamps, cathode ray tubes/glass, aerosol cans) from non-residential addition and alteration projects shall require verification that the materials are disposed of properly and diverted from landfills. A list of prohibited universal waste materials shall be included in the construction documents. This is required for nonresidential additions of 1,000 ft<sup>2</sup> or greater and building alterations with a permit valuation of \$200,000 or above.

## Recycled Content (Voluntary for Non-Residential Structures)

- Use recycled content materials that meets specified Recycled Content Value. Or simply use two (Tier 1) or three (Tier 2) materials out of 9 product types on the list: exterior paint, carpet, compost, mulch, acoustical ceiling panels, drywall, aggregate base, fiberglass or cellulose insulation.



## Division of Environmental Health

100 H Street - Suite 100 - Eureka, CA 95501  
Phone: 707-445-6215 - Toll Free: 800-963-9241  
Fax: 707-441-5699  
envhealth@co.humboldt.ca.us

# Commercial and Residential Construction, Demolition & Inert (CDI) Waste Guide

- Waste resulting from all construction and demolition projects must be handled in accordance with state and local regulations.
- Household and hazardous wastes must be handled separately and are not acceptable as part of this waste stream.
- Mixed (unsorted) CDI waste must be transported to an approved disposal or transfer-processing facility.
- Materials to be recycled must be separated at the point of origin and taken to a legitimate CDI recycling center or CDI transfer- processing facility.
- Waste that is transported outside of Humboldt County for disposal at a permitted landfill must be accurately accounted for by weight. Copies of weight tickets generated at the landfill must be provided by the transporter to Humboldt Waste Management Authority (HWMA: 707-268-8680) for state-mandated waste generation tracking purposes and for payment of appropriate in-county waste generation fees.
- The applicant should have demonstrated proposed disposal/recycling plans for the proposed project at the time a building permit is obtained for construction and/or demolition.

### **Sites where CDI can be received and processed in Humboldt County**

***Recommendation: call in advance to ensure the site can accept your material and whether a fee will be charged***

#### **C&D Processing Facilities**

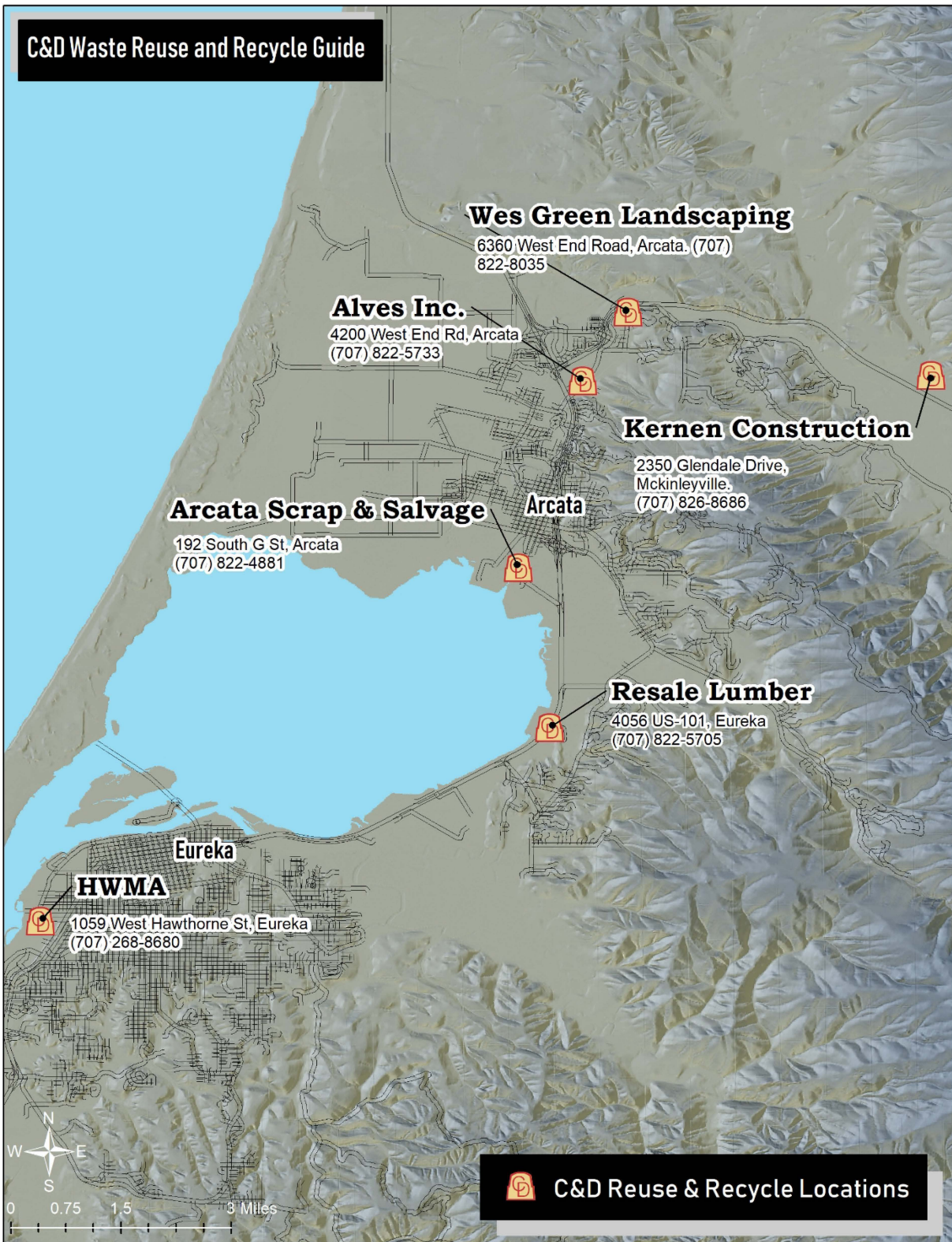
- Alves Inc.  
(707) 825-4725  
4200 West End Road  
Arcata, CA 95521
- Eel River Transportation & Salvage CDI  
(707) 725-6530  
850 Riverwalk Drive  
Fortuna, CA 95540

#### **Inert Debris Recycling Centers**

- Alves Inc.  
(707) 825-4725  
200 West End Road  
Arcata, CA 95521

- Kernen Construction in Blue Lake  
(707) 826-8686  
2350 Glendale Drive  
McKinleyville, CA 95519
- Mercer-Fraser – Essex site  
(707) 443-6371  
90 Glendale Drive  
Arcata, CA 95521
- Mercer- Fraser – Fortuna Plant A  
(707) 443-6371  
700 Riverwalk Drive  
Fortuna, CA 95540
- Mercer- Fraser – Willow Creek Plant  
(707) 443-6371  
390 Highway 96  
Willow Creek, CA 95573

# C&D Waste Reuse and Recycle Guide



 C&D Reuse & Recycle Locations

| Construction and Demolition Recycling Guide | Arcata Scrap and Salvage (707) 822-4881 | Humboldt Waste Management Authority (707) 268-8680 | Kernen Construction (707) 826-8686 | Resale Lumber (707) 822-6034 | Wes Green Landscaping (707) 822-8035 | Alves Inc (707) 825-4725                       |
|---|---|--|------------------------------------|------------------------------|--------------------------------------|--|
| Asphalt                                     |   |  | ✓                                  |                              |                                      |  |
| Bath Fixture                                |   |  |                                    |                              |                                      | \$5  |
| Brick/Masonry/Tile/Cinder Block             |   |  | ✓                                  |                              |                                      |  |
| Cardboard                                   |   | ✓  |                                    |                              |                                      |  |
| Carpet / carpet padding                     |   | \$90/Ton   |                                    |                              |                                      | \$160/ton                                      |
| Ceiling Tile (Acoustic)                     |   | ✓  |                                    |                              |                                      |  |
| Containers - bottles/cans                   |   | ✓  |                                    |                              |                                      |  |
| Concrete - concrete blocks / pier blocks    |   |  | ✓                                  |                              |                                      |  |
| Dirt  |   |  |                                    |                              |                                      | \$10/ton clean, \$80/ton Mixed, \$160/ton Grow |
| Doors                                       | If metal                                |  |                                    |                              |                                      |  |
| Drywall (new) - unpainted sheets / scrap    |   |  |                                    |                              |                                      | Free without wire                              |
| Drywall (Used)                              |   |  |                                    |                              |                                      | \$160/ton                                      |
| Electrical Panels                           | ✓                                       | ✓  |                                    |                              |                                      |  |
| Furnace/Water Heater                        | ✓                                       | ✓  |                                    |                              |                                      | \$25/each                                      |
| Green waste - brush, trees etc.             |   | \$90/ton   |                                    |                              |                                      |  |
| Metal - scrap, rail, rebar, etc.            | ✓                                       | ✓  | ✓                                  |                              |                                      | \$160/ton                                      |
| PVC Pipe                                    |   |  |                                    |                              |                                      |  |
| Roofing, Roof Shingles                      | Tin/Corrugated                          |  |                                    |                              |                                      | \$160/ton                                      |
| Trash, non recyclable materials             |   |  |                                    |                              |                                      |  |
| Windows, Window Frames                      | Metal Frames                            |  | ✓                                  | If complete window           |                                      | \$160/ton                                      |
| Wood, pallets, untreated/unpainted          |   | \$90/ton   |                                    | Call                         | ✓                                    | \$160/ton                                      |



# CONSTRUCTION WASTE FINAL CERTIFICATION

**To be filled out and signed at final inspection before final building inspection approval.**

**Project Location:** \_\_\_\_\_  
**Building Permit #:** \_\_\_\_\_  
**Contractors Name:** \_\_\_\_\_  
**Owners Name:** \_\_\_\_\_

| Recycled Nonhazardous Waste*              | Amount |
|---|--------|
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
|   |        |
| <b>Total Recycled Nonhazardous Waste:</b> |        |

÷ **Total Nonhazardous Waste:** \_\_\_\_\_ = \_\_\_\_\_ % (min. 65%)

*\* Table not required to be completed if using a waste management company.*

**I declare under penalty of perjury and hereby certify that:**

- I am the owner/contractor for the above referenced Construction Waste Management Plan (CWMP).
- I have completed and reviewed the above referenced CWMP.
- I have adhered to the 12 itemized methods of waste management described in the above referenced CWMP.
- I have recycled and/or salvaged for reuse a **minimum of 65%** of the nonhazardous construction and demolition waste in accordance with current California Green Building Standards Code section 4.408.2, 4.408.3, 5.408.1.1, 5.408.1.2, 5.408.1.3 OR have met a local construction and demolition waste management ordinance for the above referenced project.

**Owner/Contractor/Agent Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

PURSUANT TO THE CURRENT CALIFORNIA RESIDENTIAL CODE AND CALIFORNIA BUILDING CODE, THE BUILDING OFFICIAL OR HIS DESIGNEE ARE AUTHORIZED TO CONDUCT INSPECTIONS IN ORDER TO DETERMINE CODE COMPLIANCE. COMPLETION AND SUBMISSION OF THIS FORM DOES NOT WAIVE, NEGATE, OR DIMINISH THE BUILDING OFFICIAL'S INSPECTION AUTHORITY AND DOES NOT LIMIT THE BUILDING OFFICIAL'S RIGHT TO CONDUCT INSPECTIONS FOR CODE COMPLIANCE AND/OR TO VERIFY THAT THE INFORMATION CERTIFIED ABOVE IS ACCURATE.