



Construction and Demolition (C&D) Diversion Requirements

Gonzales City Code 11.04.100 requires all Construction and Demolition (C&D) projects within the City to divert at least 65% of the C&D debris and 100% of inert materials generated by the project. In addition, all building and demolition permit applicants must prepare and submit a C&D Waste Reduction and Recycling Plan at the time of the permit application (prior to permit issuance), and a final C&D Waste Reduction and Recycling Report. **Failure to file recycling reports with the City may result in non-compliance fees and/or delay issuance of the Certificate of Occupancy or final inspection.**

Options for the disposal/recycling of C&D debris include:

1. Contracting with the exclusive franchise for disposal/recycling services,
 - Identify that your project is a C&D project and **keep all applicable invoices from Republic.**
 - Divert more by requesting separate bins to source separate C&D debris on-site (cost savings may apply).
2. Self-hauling C&D debris from the project directly to a bonafide processing facility using the applicants/contractor's equipment and vehicles (if source separated, cost savings may apply). **For questions on other preferred providers or general questions, contact:**

**Salinas Valley Recycles (Salinas Valley Solid Waste Authority)
Johnson Canyon Landfill
31400 Johnson Canyon Road
Gonzales, CA 93926
Phone: 831-675-2165**

INSTRUCTIONS

1. Complete, sign, and submit the attached C&D Waste Reduction and Recycling Plan.
2. If you plan to self-haul your C&D debris, use the attached list of bonafide processors to locate facilities that will recycle your materials. **Always ask the recycling facility for all of your weight tickets and receipts.**
3. Once your project is complete, you must submit the attached C&D Waste Reduction and Recycling Report. **Make sure to keep all weight tickets and receipts for your recycled and disposed materials.**
4. Your final Waste Reduction and Recycling Report should include the following information and be provided to your inspector at the time of final inspection:
 - a. Identify the types and quantities (tons) of materials recycled, reused, salvaged, and/or disposed of,
 - b. Identify how the materials were handled: "source separated" or "mixed",
 - c. Identify the method of transport for debris materials (self-haul, franchise hauler),
 - d. Identify where the materials were taken for recycling or disposal.



Construction & Demolition - Waste Reduction and Recycling Plan

Permit # _____ Date _____

Site Address: _____ Zip Code _____

Company/Owner Name: _____

Mailing Address: _____ Contact Phone: _____

City, State, and Zip: _____ E-mail: _____

Type of Project: **New Construction** **Alteration** **Demolition** **Roofing** **Other**

Project Description: _____

1. What materials will be generated by your project?

	Asphalt		Bricks/Rock		Cardboard
	Concrete/Cement		Dirt/Clean Fill		Drywall/Sheetrock
	Glass/Windows		Lumber/Wood		Metals
	Mixed C&D		Roofing Materials		Salvaged Items
	Other (Specify)				

2. How will the C&D debris be handled during your project? (Please check all that apply)

- Source Separation – Materials are separated on-site and placed in material-specific bins.
- Mixed Loads – Clean recyclable C&D materials are comingled into one bin and delivered to a bonafide processing facility. Trash is collected in a separate bin and delivered to an authorized disposal facility.

3. How do you plan to dispose of the C&D debris that you will generate with your project?

- I will hire the exclusive franchise. **Save Invoices!**
- I will self-haul C&D debris using the owner/contractor’s equipment and vehicles. **Save Receipts!**

4. ATTEST: By signing below I am affirming:

- I am the owner/agent for this permit application and have read the requirements of the ordinance;
- I will submit a Waste Reduction & Recycling Plan with the permit application, and, to the best of my ability, I agree to recycle, divert and/or salvage the materials listed above;
- I will submit a Waste Reduction & Recycling Report describing diversion activities and showing actual tonnage data for all diverted and disposed materials;
- I understand that failure to comply with the City’s C&D recycling and reporting requirements may result in legal enforcement and penalties and may delay issuance of permits, the Certificate of Occupancy or approval of the final inspection.

 Applicant’s Signature

 Date

 Print Name/Title (owner, contractor, agent)



Construction & Demolition - Waste Reduction and Recycling Report

Complete this report from the City's franchise hauler and/or recycling facilities, salvage companies, deconstruction contractors, C&D processors, transfer stations, and landfills. **ALWAYS** keep invoices, weight tickets, and receipts for at least three years. Use the attached conversion table to help with calculations and attach additional sheets if necessary.

ADDRESS: _____ **PERMIT NUMBER** _____

MATERIAL TYPE	RECYCLED, REUSED, SALVAGED	DISPOSAL	SOURCE SEPARAT ED	MIXED	HAULER	MATERIAL DESTINATION
Inert Materials						
<i>Example: Concrete</i>	<i>18.43 tons</i>	<i>N/A</i>	<i>X</i>		<i>Self-Haul</i>	<i>Johnson Canyon Landfill</i>
Asphalt		N/A				
Brick / Rock		N/A				
Concrete / Cement		N/A				
Dirt / Clean fill		N/A				
Roofing materials		N/A				
Other:		N/A				
Other:		N/A				
INERT TOTAL		100% Diversion				
A		B				
C&D Debris						
Cardboard						
Drywall / Sheetrock						
Glass / Windows						
Lumber / Wood (clean)						
Metal						
Mixed C&D materials*						
Plastic						
Trash	N/A					
Yard waste / Landscaping						
Other:						
Other:						
C&D DEBRIS TOTAL		C&D Debris Diversion Rate (percentage) (A)/(A+B) x 100			Over 65% = C&D DEBRIS COMPLIANCE	

*If C&D materials are mixed, please list recyclable materials in the space below and enter the total tons in the *Mixed C&D Materials* section.

Mixed C&D Materials:

Explanation /Comments:

I have accurately reported all diverted and disposed materials above.

Signature: _____

Date: _____



Conversion Calculations

To calculate the percentage of materials recycled and/or reused:

To determine the percentage of diverted materials, divide the number of tons that were recycled, reused, and/or salvaged by the TOTAL tonnage generated.

$$\text{Percent Diverted (tons)} = \frac{\text{recycling} + \text{reused} + \text{salvaged}}{\text{recycling} + \text{reused} + \text{salvaged} + \text{disposed}}$$

Example:

$$\frac{1 \text{ ton recycling} + 1 \text{ ton reused}}{1 \text{ ton recycling} + 1 \text{ ton reused} + 2 \text{ tons disposal}} = \frac{2}{4} = 0.5 \text{ (multiply } 0.5 \text{ by } 100 = 50\%)$$

How to convert to pounds:

To convert pounds to tons, divide the number of pounds by 2000 pounds. **1 Ton = 2,000 Pounds**

Example: 700 pounds ÷ 2000 pounds = 0.35 tons

How to convert cubic yards to tons:

Select the type of material recycled/reused from the conversion table below. Multiply the corresponding number by the total number of cubic yards recycled/reused.

1 cubic yard of mixed C&D debris = 0.45 tons Example: 4CY of mixed C&D = 4 CY X 0.45 = 1.8 tons

Conversion Table

MATERIAL	Volume - EQUIVALENT - Weight
Asphalt – paving	1 cubic yard 0.69 tons
Asphalt – roofing shingles	1 cubic yard 0.21 tons
Brick	1 cubic yard 1.51 tons
Cardboard	1 cubic yard 0.05 tons
Carpet/carpet padding	1 cubic yard 0.04 tons
Ceramic tile	1 cubic yard 0.61 tons
Concrete	1 cubic yard 0.93 tons
Dirt – clean fill	1 cubic yard 1.00 tons
Fiberglass insulation	1 cubic yard 0.01 tons
Glass	1 cubic yard 1.08 tons
Green waste – yard trimmings	1 cubic yard 0.05 tons
Metals	1 cubic yard 0.45 tons
Mixed C&D debris	1 cubic yard 0.45 tons
Plastic	1 cubic yard 0.01 tons
Sheetrock – drywall	1 cubic yard 0.20 tons
Wood – clean lumber	1 cubic yard 0.16 tons
Wood – pallets	one 0.14 tons

For more conversion factors for recyclable materials, visit: www.calrecycle.ca.gov/FacIT/Conversion1.pdf

For more conversion factors for C&D materials, visit: <http://www.calrecycle.ca.gov/LGCentral/Library/DSG/ICandD.htm>