



City of Tustin Construction and Demolition Debris Recycling Requirements



The City of Tustin requires project applicants to recycle or divert from landfills at least 50% of the waste created by construction projects.

FAILURE TO COMPLY WITH RECYCLING REQUIREMENTS MAY RESULT IN THE FORFEITURE OF THE APPLICANT'S DEPOSIT

- All construction, demolition, and renovation projects valued at \$50,000 or greater are required to divert at least 50% of all project-related C&D Debris.
- Prior to issuance of any building or demolition permit, the project applicant shall submit a WRRP to the Public Works Department Engineering Division.
- Applicants are required to pay a non refundable \$50 application fee and a deposit not to exceed 5% of the construction valuation determined by the Building Division.
- City staff will review all waste management plans and approve them when satisfactorily completed.
- Upon project completion, all permittees are required to submit a WRRP Final Project Report detailing all project related C&D debris collection, disposal and diversion information

Project Site Waste Management

The City of Tustin requires contractors to implement project site waste separation practices to insure that recyclable materials are recovered and sent to recycling facilities. Utilizing separate disposal bins for different material types is one method to easily separate materials.

Permit Applicants, not a waste hauler, are responsible for insuring that recyclable materials are delivered to the appropriate facility

If you are utilizing a construction site cleanup crew to collect and remove waste materials, insure that they sort the materials and take the materials to an approved recovery and disposal facility. A list of approved recycling facilities is attached to this document.

Attachments:

1. Waste Reduction and Recycling Plan Application Form
2. Waste Reduction and Recycling Plan Final Project Report Form (3 pages)
3. Approved Recycling Facilities List



Construction & Demolition Debris



WASTE REDUCTION & RECYCLING PLAN (WRRP)

A WRRP must be completed by the Permit Applicant for *all Construction and Demolition projects with a valuation of \$50,000 or greater. Building or demolition permits will not be issued without an approved WRRP. (Ord. # 1325)*

Submit with Permit Application to:

Public Works Engineering Division, 300 Centennial Way, Tustin, CA 92780

Or fax to 714.734.8991. If you have questions, please call 714.573.3150 or 3173.

Permit #: _____

Project Address: _____

Applicant Name: _____

Company Name: _____

Phone: _____

Waste Management Requirements

1. Applicant **must** recycle, salvage or reuse 50% or more of the waste materials generated on the job site.
2. Applicant **must** either separate recyclable materials from other waste material on the job site and/or deliver waste materials to an approved material recovery facility.
3. Applicant **must** submit receipts and weigh tickets for all recycled, salvaged and disposed material with the WRRP Final Project Report.
4. Applicant **must** track materials disposed and recycled by delivery location and by volume or weight.
5. Applicant **must** use the City's franchise waste hauler (CR&R Inc.) for all waste collection bins or roll off boxes.
6. **FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN THE FORFEITURE OF THE PERFORMANCE DEPOSIT FUNDS.**

Estimated Quantity (TONS) of all waste material: _____

Estimated Quantity (TONS) of material to be recycled: _____

Estimated Quantity (TONS) of material to be disposed in landfills: _____

I acknowledge and agree to the waste management requirements listed above:

Signature: _____

Date: _____

PW - Approved By _____	Date Approved _____
Building Division Valuation: _____	Deposit Amount: _____ + \$50 application fee
TOTAL PAID: _____	



Construction & Demolition Debris

WRRP FINAL PROJECT REPORT



Note: Project Deposit will not be released without an approved Final Project Report. Allow 2-3 business days for processing your Final Project Report.

Submit this Project Report with disposal and recycling documentation to:
Engineering Division, 300 Centennial Way, Tustin, CA 92780
Or fax to 714.734.8991. If you have questions, please call 714.573.3150 or 3173.

Permit #: _____

Project Address: _____

Applicant Name: _____

Company Name: _____

Phone: _____ Email: _____

Fill in the blanks below with information from the Waste Diversion Calculation form to determine if you have complied with the City's requirement to recycle 50% or more of the total waste. **Attach the completed Waste Diversion Calculation and Volume to Weight Conversion Worksheet forms to this final report.**

Column B		Divided by						
Total	_____	Column A	Total	_____	=	_____	x 100 =	_____ %

If you recycled less than 50% of job site wastes explain why:

Please Attach the following documentation:

- 1 Waste disposal and recycling documentation (weight tickets and receipts)
- 2 The completed Waste Diversion Calculation form.
- 3 Volume to Weight Conversion Worksheet form to this final report

Signature: _____ Date: _____

PW - Approved By _____ Date Approved _____



WASTE DIVERSION CALCULATION



- Column A:** ACTUAL OR ESTIMATED quantities of waste for each material type (in tons). To convert volume to tons, use the Materials Conversion Worksheet provided in your packet.
- Column B:** ACTUAL OR ESTIMATED quantity or material recycled salvaged or reused.
- Column C:** ACTUAL OR ESTIMATED quantity of material that was not recyclable or reusable and was disposed in a landfill .
- Column D:** NAME OF FACILITY THAT WASTE OR RECYCLABLE MATERIAL WAS DELIVERED . MUST MATCH WEIGT TICKETS AND RECIEPTS
- Column Totals:** Add up all quantities listed in Columns A, B & C.

Material Type	A Total Quantity (tons)	B Recycled, Salvaged or Reused (tons)	C Disposal (tons)	D Destination (Facility Name and City)
Asphalt & Concrete (No Soil)				
Brick/ Masonry / Tile				
Carpet				
Carpet Padding / Foam				
Cardboard				
Ceiling Tile (acoustic)				
Drywall (Used)				
Drywall (New, unpainted sheets or scrap)				
Landscape Debris (brush, trees, stumps,				
Scrap Metal				
Unpainted wood & pallets				
Garbage/ Trash				
Column Totals				

Attach the completed Waste Diversion Calculation and Volume to Weight Conversion Worksheet forms to the final report.



MATERIALS VOLUME-TO-WEIGHT CONVERSION WORKSHEET



This worksheet lists materials typically generated from a construction or demolition project and provides formulas for converting common units (i.e. cubic yards, square feet and board feet) to tons. It's use is **required** for preparing your WMP and Final Project Report, which require that quantities be provided in tons.

<u>Material/Category</u>	<u>Volume</u>	<u>Unit</u>	<u>Tons/unit</u>	<u>Tons</u>
Asphalt/Concrete				
Asphalt	_____	cy	X 0.7	= _____
Concrete(broken)	_____	cy	X 0.9	= _____
Concrete (solid slab)	_____	cy	X 1.2975	= _____
			Sum Total	_____
Brick/Masonry/Tile				
Brick (broken)	_____	cy	X 0.7	= _____
Brick (whole, palletized)	_____	cy	X 1.512	= _____
Masonry block (broken)	_____	cy	X 0.6	= _____
Tile	_____	sq ft	X 0.00175	= _____
Building Materials (doors, windows, cabinets, etc.)				
	_____	cy	X 0.15	= _____
Cardboard (flat)				
	_____	cy	X 0.05	= _____
Carpet				
By square foot	_____	sq ft	X 0.0005	= _____
By cubic yard	_____	cy	X 0.3	= _____
Carpet Padding/Foam				
	_____	sq ft	X 0.000125	= _____
Ceiling Tiles				
Whole (palletized)	_____	sq ft	X 0.0003	= _____
Loose	_____	cy	X 0.0875	= _____
Drywall (new or used)				
5/8" (by square foot)	_____	sq ft	X 0.00105	= _____
Demo/used (by cubic yard)	_____	cy	X 0.25	= _____
Landscape Debris (brush, trees, etc, NO DIRT)				
	_____	cy	X 0.15	= _____
Scrap Metal				
	_____	cy	X 0.453	= _____
Unpainted Wood & Pallets				
By board foot	_____	bd ft	X 0.001375	= _____
By cubic yard	_____	cy	X 0.15	= _____
Garbage/Trash				
	_____	cy	X 0.175	= _____

cy = cubic yards

sq ft = square foot

bd ft = board foot