

**CITY OF PLACENTIA
PUBLIC WORKS DEPARTMENT
Construction & Demolition Waste Management Plan**

The City of Placentia adopted the 2016 Green Building Standard Codes (CALGreen) which set forth recycling requirements for construction and demolition (C&D) projects. As of January 1, 2017, CALGreen requires the recycling and/or salvaging for reuse a minimum of 65% of the non-hazardous construction and demolition project waste

Instructions/General Information

When is the Construction and Demolition Waste Management Plan Required?

The following projects trigger the Construction and Demolition (C&D) Waste Management Plan (WMP) requirements set forth in the Placentia Municipal Code Section 8.0.400.

- Residential additions of 500 square feet or more.
- Tenant improvements of 500 square feet or more.
- New structures of 500 square feet or more.
- All projects incorporating demolition regardless of their square footage.
- All City public works and construction projects which are awarded pursuant to a competitive bid procedure.
- All roofing projects.
- Pool demolitions.
- Other projects determined by the City Administrator to generate sufficient debris to warrant collection by the City Franchisee or authorized Permittee.

All contractors or owner-builders applying for a permit are required to complete a project form and attest that only an authorized City agent will be used to haul debris and other solid waste generated by that project.

If your project requires the completion of a WMP, you will be required to complete a WMP before Permit Issuance.

What is the City's required diversion rate?

The City of Placentia requires that at least 65 percent of all construction/deconstruction waste generated within the City be diverted from landfills.

Will staff review my C&D Waste Management Plan?

Yes, City staff will review the WMP within two weeks and determine whether it fully complies with the Ordinance's diversion requirements.

- Deconstruction – In preparing the WMP, applicants for demolition permits involving the removal of all or part an existing structure shall consider deconstruction, to the maximum extent practicable. Deconstruction can be used to meet the fifty percent diversion requirement provided it is accounted for in the WMP.

If I do not use Republic Services (dba Placentia Disposal), can I haul my own materials?

Yes, you can haul your own materials as long as you use your own forces and own equipment. A list of Permitted Recycling Dealers is attached to this packet for your convenience.

Is there a deposit required?

All contractors or owner-builders are required to place a deposit with the City to ensure their compliance with the required use of an authorized City agent. The specific deposit amount shall range from a low of \$100 to a high equivalent of 3% of the total project value.

Construction/Deconstruction Activities

<u>Project</u>	<u>Deposit</u>
Demolition of projects of less than 200 square feet	\$100.00
201 to 1,000 square feet	\$500.00
1,000 to 5,000 square feet	\$1,000.00
Over 5,000 square feet	3 % of total project value

New Construction

<u>Project</u>	<u>Deposit</u>
Projecting less than 1 ton of material to be hauled off-site	\$100.00
Between 1 and 5 tons hauled	\$500.00
5 to 50 tons hauled	\$1,000.00
Over 50 tons hauled	3% of total project value

If your project has both components (demolition & construction) your deposit will be the larger of the two amounts.

Performance Security Deposit Refund Requirements – Within 30 days after construction has been completed for the project, the WMP must be submitted to the Public Works Department, along with receipts for all discarded materials and facility receipts for all recycled materials that demonstrate compliance with the recycling requirements of the C&D Ordinance. All submitted documented MUST demonstrate that 65% of the materials were recycled or reused or that Republic Services was used for all hauling. Documentation must include receipts of all recycling and disposal manifests or a report from the recycling dealer/refuse hauler identifying amounts of waste recycled and disposed.

The receipts must include the following information:

- Information about the facility
- Tonnage amounts
- Project Address
- Appropriate coding to indicate that the material was recycled or disposed.

Once we determine compliance with the Ordinance, it will take approximately 4-6 weeks from the date all required documents were submitted to the Public Works Department to receive the refund.

**It should be noted that it is the applicants and/or sub-contractors responsibility to insure that the correct material type is indicated on each C&D receipt.

Forfeiture of the Security Deposit

The Security Deposit may be forfeited in whole for the following reasons:

- If you do not use approved facilities or permitted haulers for this project.
- If the actual diversion rate for this project does not meet the C&D Ordinance's minimum required diversion rate of 50 percent.
- **If you do not submit WMP paperwork and receipts/documentation within 30 days of Final Building Inspection approval.**

Final Review

Remember to sign the form also check the form to be sure that all entries are legible, accurate, and complete.

Should you have any questions, please contact Elsa Robinson at (714) 993-8148 or eronbinson@placentia.org

**CITY OF PLACENTIA
PUBLIC WORKS DEPARTMENT
CONSTRUCTION & DEMOLITION
WASTE MANAGEMENT PLAN**

Permit # _____

Bond # _____

General Project Information:

Over the Counter Permit Yes No
City Sponsored Project* Yes No

*Name of City Employee Contact _____

Type of Project: Demolition New Construction Alteration
 Addition

Project Description (In Detail):

Project Address: _____

Project Sq. Ft.: _____ Project Valuation: _____

Estimated Project Start Date: _____ Completion Date: _____

Applicants Name: _____ (please print)

Phone Number: _____ Fax No. _____

Email: _____

Legal Owner: _____ Phone No. _____

Applicant's Relation to Project:

Owner Contractor Architect Permit Expeditor

Company Name (If Applicable): _____

Address: _____

Permit # _____

Waste Management Plan (WMP) Reviewed By: _____

Date: _____ WMP Approved: Yes No

If not approved, describe reviewer's actions:

STRATEGIES FOR WASTE RECYCLING AND/OR DISPOSAL

For each of the following categories of recycling and disposal activities, describe those strategies you plan to utilize for the project at the address listed above:

1.	Salvage	Yes	No
1a.	Do you plan to salvage materials from this project prior to construction or demolition activities?		
1b.	If "yes" please list the items that will be salvaged (e.g. doors, windows, jambs, casing, toilets, sinks, other fixtures, hardwoods, wood siding, cabinets and shelving, carpet and pad, bricks, acoustical ceiling, lights, fans, ceramic roof tiles, structural materials, reusable lumber, etc.)? Must take before and after photo documentation and/or sales/donation receipts required.		
2.	Source Separation	Yes _____	No _____
2a.	Do you plan to source separate any materials on this project for delivery to a recycling facility (e.g. separation of items such as wood, concrete, metal into separate bins)? This would also include materials that will be recycled at a landfill as daily cover or as landfill road base. Receipts from approved facilities are required.		
2b.	If you plan to salvage or source separate, please indicate the materials, haulers, and facilities. Receipts will be required. Please list as an attachment.		
3.	On-Site Use	Yes	No
3a.	Do you plan any on-site reuse activities for this project (e.g. reuse of wood forms from other projects for concrete, on-site crushing of concrete for on-site use, use of reusable containers or pallets for material deliveries, etc.)? Please provide photos of locations these items were reused.		
	If "yes" please describe:		
4.	Inert Fill Use	Yes	No
4a.	Will any source separated dirt or mixed inerts (i.e. dirt, concrete, asphalt) be delivered to a City of Placentia approved facility (one that accepts only inert material) or be used for any other non-landfill purpose? (For concrete and asphalt – load receipts will be required) *If "yes" please attach a listing of materials, haulers, and facilities.		
5.	Recyclables: Mixed C&D Recycling Facilities and Diversion Rate	Yes	No
5a.	Will any mixed debris be delivered to a mixed C&D recycling facility for mechanical and/or manual separation of recyclables?		

5b.	If "yes," identify the facility and hauler		
6.	Self-Haul	Yes	No
6a.	Will any C&D debris be self-hauled by your company or by subcontractors?		
6b.	If "yes" identify which companies will be self-hauling debris. List Names of hauler and provide facility name (must be approved).		
7.	Refuse: Disposal at Landfill	Yes	No
7a.	Will any materials from this project be disposed of at a landfill?		
7b.	If "yes" identify the haulers who will deliver the disposed debris and the disposal facilities.		
7c.	Do you have any exemptions to request prior to the start of the project?	Yes	No
	If "Yes" explain (what type of material):		
8.	Educational Strategies		
	Describe in detail how you plan to inform your workers and any subcontractors of and ensure participation in your diversion goals and Waste Management Plan activities.		

ESTIMATE OF RECYCLING AND/OR DISPOSAL ACTIVITIES

Summarize the information provided in Strategies Portion of your Waste Management Plan on the following chart. Please refer to the C&D Conversion Table if assistance in calculation is needed.

Type of Material	Type of Activity (check box)				Total Quantities (In Tons)*	Total Recycled (In Tons)*	Total Disposed (In Tons)*	Facility Used	Method of Transportation (Self-Haul, Franchise Hauler, etc.)
	Recycle –To Facility	Recycle – Salvage	Recycle – On-Site Reuse	Disposal					
Mixed Materials***									
Mixed C&D Materials									
Mixed Inerts									
Separated Materials									
Asphalt									
Brick									
Concrete									
Dirt/Clean Fill									
Lumber									
Roofing Materials									
Metals									
Sheetrock									
Yard Trimmings									
Other Salvageable Materials									
Other									
Totals									

*See Conversion Table to convert to cubic yards or tons.

**Estimate in pounds where necessary and convert to partial tons – see Conversion Table.

***Divide the “Total Quantities” tonnages for all mixed materials between the “Total Recycled” and “Total Disposed” columns. For example if the facility you are using has a 70% diversion rate and you are sending 10 tons to that facility, “Total Recycled” = 7.0 and “Total Disposed” =-3.0

Estimated Diversion Rate _____ % ****

****Divide tons of waste recycled by total tons of waste recycled and disposed. Then convert to a percentage.

C&D CONVERSION TABLE

Check Each conversion being used.				
	Mixed C&D Materials	1 cubic yard	=	500 pounds
	Mixed Inerts	1 cubic yard	=	1 ton
	Asphalt, Brick, Concrete, Dirt (separated from other materials)	1 cubic yard	=	1 ton
	Lumber	1 cubic yard	=	150 pounds
	Asphalt Shingles	1 cubic yard	=	419 pounds
	Asphalt/Tar Roofing	1 cubic yard	=	2,919 pounds
	Wood Shake Shingle Roofing	1 cubic yard	=	435 pounds
	Metals	1 cubic yard	=	906 pounds
	Sheetrock	1 cubic yard	=	394 pounds
	Yard Trimmings	1 cubic yard	=	108 pounds

Other Salvaged Items

Salvaged Items	Estimated Pounds/2,000	=	Tons
Example: Cabinets, doors, windows, toilets, etc.	100/2,000	=	.05

If you believe you have justification for using a different conversion than above, please explain below:

FORM SUBMISSION:

I hereby attest that the information provided on this form is complete and accurate.

- *All materials generated from this project must be hauled by an approved City of Placentia hauler as listed in the Waste Management Plan. Initial Here _____ Date _____*
- *All materials generated from this project must be hauled to an approved/certified facility as listed in the Waste Management Plan. Initial Here _____ Date _____*
- *If one or all of the above conditions are not met, the security deposit will be forfeited in full. Initial Here _____ Date: _____*

Applicant's Signature: _____

Applicant Name (please print): _____
























Date: _____

PERMITTED RECYCLING DEALERS

The categories of recyclable materials are as follows:

- Construction and Demolition Materials: Brick, Concrete, Dirt, Granite, Gravel, Pavement/Asphalt and Sand
- Metals: Aluminum cans, Ferrous/Non-Metals, Scrap Metals, Tin Cans, and White Goods (Stoves, Refrigerators, etc.)
- Green Waste: Compost, Grass Clippings, Leaves, Prunings, Christmas Trees
- Glass: Beverage Containers, Crushed Glass, and Window Panes
- Wood: Bark, Boards, Planks, Chips, Pallets, Plywood, Sawdust and Shavings

Note: Although a company may designate the acceptance of materials in one or more categories, please call to verify the specific materials and quantities are accepted. If you need further information or seek approval for other recycling dealers not listed, please contact the City of Placentia Public Works Department at (714) 993-8148.

Recycling Dealer	C&D	Metals	Green Waste	Glass	Wood
Dan Copp Crushing 1120 N. Richfield Rd. Anaheim, CA 92807 (714) 777-6400					
Madison Materials 1035 East 4 th Street Santa Ana, CA 92701 (714) 664-0159					
Ewles Materials (Irvine) 16081 Construction Circle Irvine, CA 92606 (949) 552-6008					
Sun West Metals 1150 N. Anaheim Street Anaheim, CA 92801-2502 (714) 635-0470					
TVI Gold Coast Recycling 7973 Irvine Blvd. Irvine, CA 92618 (949) 551-0363					
Ware Disposal/Madison Materials P.O. Box 8206 Newport Beach, CA 90640 (714) 836-4694					
Franchise Hauler Recycling Facility					
Republic Services 1131 N. Blue Gum Street Anaheim, CA 92806 (714) 238-3300					

DEFINITIONS

For the purposes of these instructions, the following definitions apply:

- 1) "Applicant" means any individual, firm, limited liability company, association, partnership, political subdivision, government agency, municipality, industry, public or private corporation, or any other entity whatsoever who applies to the City for the applicable permits to undertake any construction, demolition, or renovation project within the City.
- 2) Class III Landfill must have a solid waste facilities permit from CalRecycle.
- 3) "Construction" means the building of any facility or structures in order to salvage as much material as possible.
- 4) "Demolition" means the decimating, razing, ruining, tearing down or wrecking of any facility, structure, pavement or building, whether in whole or part, whether interior or exterior.
- 5) "Disposal" means the final disposition of construction and demolition or inert material, including but not limited to:
 - a. Stockpiling onto land of construction and demolition material that has not been sorted for further processing or resale, if such stockpiling is for a period of time greater than thirty days; or
 - b. Stockpiling onto land of construction and demolition material that has been sorted for further processing or resale, if such stockpiling is for a period of time greater than one year; or
 - c. Stockpiling onto land of inert material that is for a period of time greater than one year or
 - d. Disposal of construction and demolition or inert material to a landfill.
- 6) "Enforcement agency (EA)" means an enforcement agency as defined in Public Resources Code Section 40130.
- 7) "Inert Backfill Site" means any location other than an inert landfill or other disposal facility to which inert materials are taken for the purpose of filling an excavation, shoring, or other soils engineering operation.
- 8) "Inert disposal/inert waste landfill" means a disposal facility that accepts only inert waste such as soil and rock, fully cured asphalt paving, uncontaminated concrete (including fiberglass or steel reinforcing rods embedded in the concrete), brick, glass, and ceramics, for land disposal.
- 9) "Inert solids/inert waste" means non-liquid solid resources including, but not limited to, soil and concrete, that do not contain hazardous waste or soluble pollutants at concentrations in excess of water quality objectives established by a regional Water Board pursuant to Division 7 (Section 13000 et. seq.) of the California Water Code and does not contain significant quantities of decomposable solid resources.
- 10) "Mixed material" means loads that include commingled recyclables and non-recyclable materials generated at the project site.

- 11) "Mixed material recycling facility" means a processing facility that accepts loads of mixed construction and demolition debris for the purpose of recovering reusable and recyclable materials and disposing the non-recyclable residual materials.
- 12) "Performance security" means any performance bond, surety bond, money order, letter of credit, certificate of deposit or restricted bank account, provided to the City.
- 13) "Post-consumer material" as defined in Public Contract Code Section 12200(b) means a finished material which would have been disposed of as solid waste, having completed its life cycle as a consumer item, and does not include manufacturing wastes. Post-consumer material is generally any product that was brought by the consumer, used, and then recycled into another product.
- 14) "Recycled product" as defined in Public Contract Code Section 1200(a) means all materials, goods, and supplies, with no less than 50 percent of the total weight in which consists of secondary and post-consumer material with not less than ten percent of its total weight consisting of post-consumer material. This definition applies to paper products, plastic products, compost and co-compost, glass products, lubricating oils, paints, solvents, retreaded tires, tire-derived products, and steel products. A recycled product also includes products that could have been disposed of as solid waste having completed its life cycle as a consumer item, but otherwise is refurbished for reuse without substantial alteration of its form.
- 15) "Renovation" means any change, addition, or modification in an existing structure.
- 16) "Salvage" means the controlled removal of construction and demolition material from a permitted building or construction site for the purpose of recycling, reuse, or storage for later recycling or reuse.
- 17) "Sanitary wastes" means materials that require special handling procedures such as liquid wastes including domestic sewage.
- 18) "Secondary material" as defined in Public Contract Code Section 12200(c) means fragments of finished products or finished products of a manufacturing process, which as converted a resource into a commodity of real economic value, and includes post-consumer material, but does not include excess virgin resources of the manufacturing process. This material did not reach the consumer prior to being recycled.
- 19) "Sediment" means soil and other material that has been eroded and transported by storm or well production runoff water.
- 20) "Virgin material" means the portion of the product made from non-recycled material, that is, the condition of approval on any construction or demolition permit issued for a covered project.