

G|PRO Construction Management

CM Doc. #5.2: Construction Waste Management (CWM) Plan

The objective of the Construction Waste Management Plan (CWMP) is to make every effort to divert demolition and construction waste materials from disposal in landfills and incinerators. Although it is inevitable that waste will be generated, it is essential that as many of the waste materials are returned, reused, salvaged, or recycled. Waste disposals in landfills or by incineration should be minimized whenever possible. The owner will establish that ___ % total waste shall be recycled or salvaged for reuse.

The following waste categories should be diverted from landfill (i.e. reused, recycled, or salvaged) for such a project:

- Concrete masonry units
- Metals
- Cardboard, paper, packaging
- Beverage containers
- Reuse items indicated on the drawings and/or elsewhere in the specification
- Clean dimensional wood
- Drywall
- Carpet and pad
- Ceiling tiles
- Acoustical tiles
- Insulation
- Glass
- Plastics
- Paint

The contractor is responsible for the coordination and implementation of the CWMP throughout all phases of the work. Waste prevention and recycling activities will be discussed with each subcontractor prior to commencing work on site. Trade sub-contractors will be responsible for all waste recycling relevant to their scope of work.

The CWMP should address the following:

1. List of materials targeted for reuse, salvage, or recycling, and the name(s) of receiving facilities/companies that will be purchasing or accepting the recycled or salvaged materials.
2. Description of onsite and/or offsite sorting methods for all materials to be removed from site.
3. If mixed construction and demolition waste is to be sorted off-site, provide a letter from the processor stating the average percentage of mixed construction and demolition waste they recycle.
4. Landfill information: name(s) of landfill(s) where waste will be disposed, and applicable tipping fees.
5. Materials handling procedures: description of the means by which reused, recycled or salvaged waste materials will be protected from contamination.
6. Transportation: description of means of transportation and destination for recyclable materials (whether materials will be separated on-site and self-hauled to designated center, or mixed C&D waste will be collected by a waste hauler and removed from the site).
7. Documentation: Tracking of recycled materials and waste materials via weight tickets and receipts from each hauler and each receiving facility.
8. Meetings: Schedule for regular meetings to be held to address waste management.
9. Reporting: Description of how the plan will be documented on a monthly basis through Waste Management Progress Reports and Waste Management Checklist.

Implementation:

1. **Manager:** The contractor shall designate an on-site person (or group) responsible for instructing workers and overseeing and documenting results of the CWMP for the Project.
2. **Distribution:** The manager shall distribute copies of the CWMP to the owner and consultant.
3. **Instruction:** the contractor shall provide on site instruction of appropriate separation, handling, and recycling, salvage, reuse, and return methods to be used by all parties at the appropriate stages of the project.
4. **Separation facilities:** if waste sorting will be done on-site, the contractor shall lay out and label a specific area to facilitate separation of materials for potential recycling, salvage, reuse, and return. Recycling and waste bin areas are to be kept neat and clean and clearly marked in order to avoid contamination of materials.
5. **On-site containers** or areas to receive recycled materials shall be clearly marked in English, Spanish and any other predominant language(s) spoken by the majority of the construction crew in order to prevent contamination of recyclable materials.
6. **Hazardous wastes:** hazardous wastes shall be separated, stored, and disposed of according to local regulations

The contractor is responsible for providing calculations on the end-of-project recycling rates, salvage rates, and landfill rates which demonstrate the percentage, by weight or volume, of the total construction wastes that were recycled or salvaged.

SAMPLE TEMPLATE: Construction and Demolition (C&D) Waste Reporting Form
 Facilities to which Waste was taken that were not included in Subcontractor's Approved C&D Waste Plan

Project Name:	Project Number:	Date:
Subcontractor:	Contact:	
Submitted for the Month/Year of :	Email (if used):	
Facility Name:	Contact:	
Address:	Phone No:	
Facility's Average Annual Recycling Rate for Material Deposited:		

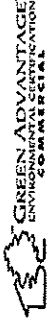
Instructions:
 The Subcontractor shall complete and submit this form to the Construction Manager monthly for the period during which the Subcontractor is removing construction and demolition waste from the site. This form is available electronically from (INSERT CM COMPANY'S NAME) Project Manager. Along with this form, the Subcontractor must submit a receipt for the waste collected from the site. A sample of this receipt is included in this exhibit.

BREAKDOWN OF CONTENTS BY VOLUME, WEIGHT, OR PERCENTAGE OF TOTAL WEIGHT AND DIVERSION FROM LANDFILL ("DIV %")

TRIP	1	2	3	4	5	TOTALS (Div. from Landfill CY or Tons)
Pickup Date from Site						
Container Ticket No.						
Facility to Which Waste was Initially Taken						
Volume* Container Size						CY
Weight** Container Size						T
Mixed Waste	Amount					
	Diverted %					
Brick+CMU	Amount					
	Diverted %					
Cardboard	Amount					
	Diverted %					
Cast in Place & Pre-Cast	Amount					
	Diverted %					
Drywall	Amount					
	Diverted %					
Metal	Amount					
	Diverted %					
Wood	Amount					
	Diverted %					
Other	Amount					
	Diverted %					
	Material					
TOTAL (%div from Landfill)						

* If Reporting in Volume: Container Size
 ** If Reporting in Weight: Total Weight

Selective Demolition & Hauling, LLC 8340-A Beechcraft Avenue, Gaithersburg, MD 20879



GC name: SKANSKA

Job Name: [REDACTED]

GC address: 1801 Reseach Blvd, Rockville, MD

Job Address: [REDACTED]

Date	Disposal Facility	Total Wt	Plastic	Cardboard	Wood	Metal	Carpet	Drywall	Cla Tile	Glass	Non-Recycle
6/23/2009	Alexandria, 3730 Greentree In, Dumfries	1.83	0.09		0.74			0.74			0.26
7/7/2009	Alexandria, 3730 Greentree In, Dumfries	1.28		0.39	0.64						0.25
7/15/2009	Broadrun 270 Developers dr, manassas, va	2.49	0.14	1.49	0.49						0.37
7/23/2009	Alexandria, 3730 Greentree In, Dumfries	2.56		1.02		1.02					0.52
7/31/2009	Alexandria, 3730 Greentree In, Dumfries	3.16	0.95		0.95	0.32		0.32			0.62
8/5/2009	Brandywine, Sherriff Rd	2.19	0.44	0.44	0.44			0.44			0.43
8/10/2009	Alexandria, 3730 Greentree In, Dumfries	3.52	1.06	0.35	0.70	1.23					0.18
8/14/2009	Alexandria, 3730 Greentree In, Dumfries	3.35	0.34		0.67			2.01			0.33
8/16/2009	Alexandria, 3730 Greentree In, Dumfries	1.69	0.34	0.34		0.34		0.34			0.33
8/21/2009	Broadrun 270 Developers dr, manassas, va	4.23		2.12	0.85	0.42		0.42			0.42
8/24/2009	Alexandria, 3730 Greentree In, Dumfries	1.80		0.18	0.54	0.18		0.72			0.18
8/25/2009	Alexandria, 3730 Greentree In, Dumfries	3.59	0.35	0.35	0.35			2.15			0.39
8/26/2009	Alexandria, 3730 Greentree In, Dumfries	2.41	0.24	0.24		0.24		1.20			0.49
8/27/2009	Alexandria, 3730 Greentree In, Dumfries	3.47	0.37	0.34		0.34		1.73			0.69
8/28/2009	Alexandria, 3730 Greentree In, Dumfries	2.40	0.48	0.48		0.12	0.24	0.60			0.48
8/31/2009	Alexandria, 3730 Greentree In, Dumfries	2.29		1.14	0.68						0.47
9/1/2009	Alexandria, 3730 Greentree In, Dumfries	2.38	0.71	0.71			0.47				0.49
9/2/2009	Alexandria, 3730 Greentree In, Dumfries	1.20	0.06	0.72	0.36						0.06
9/3/2009	Broadrun 270 Developers dr, manassas, va	1.89	0.18	1.13	0.40	0.09		0.09			0.00
9/4/2009	Alexandria, 3730 Greentree In, Dumfries	1.79	0.53	0.89							0.37
9/8/2009	Broadrun 270 Developers dr, manassas, va	2.48	0.24	1.48	0.49			0.24			0.03
9/9/2009	Alexandria, 3730 Greentree In, Dumfries	0.87	0.08	0.60		0.08					0.11
9/10/2009	Broadrun 270 Developers dr, manassas, va	0.87	0.09	0.44	0.09	0.09					0.16
9/11/2009	Broadrun 270 Developers dr, manassas, va	1.59	0.16	0.48	0.32	0.16		0.16			0.31
9/14/2009	Broadrun 270 Developers dr, manassas, va	1.61	0.16	0.16	0.16			0.81			0.32
9/15/2009	Broadrun 270 Developers dr, manassas, va	1.66	0.33	0.33	0.50		0.33	0.33			0.17
9/15/2009	Broadrun 270 Developers dr, manassas, va	1.14		0.34	0.23	0.11	0.23				0.23
9/16/2009	Broadrun 270 Developers dr, manassas, va	1.35		0.41	0.27	0.14		0.27			0.26
9/17/2009	Broadrun 270 Developers dr, manassas, va	1.21	0.24	0.48				0.25			0.24
9/18/2009	Alexandria, 3730 Greentree In, Dumfries	1.24	0.12	0.50		0.12	0.25	0.13			0.12
9/21/2009	Broadrun 270 Developers dr, manassas, va	1.05	0.16	0.21	0.21	0.11	0.11	0.14			0.11
9/22/2009	Broadrun 270 Developers dr, manassas, va	1.32		0.26		0.26	0.40	0.14			0.26