



*This information is provided for clarification purposes only and is not in substitution of any applicable City Bylaws or Provincial or Federal Codes or laws. In the case of any contradictions, legislative Codes, laws or Bylaws take precedence. You must satisfy yourself that any existing or proposed construction or other works complies with such Bylaws, Codes or other laws.*

## Demolition Waste and Recyclable Materials

**No.: BUILDING-27**  
**Date: 2016-03-17**  
**Revised: 2020-03-05**

**This bulletin is to inform Owners, Builders, and Contractors of the requirements for handling demolition waste and recycling materials for single family and accessory structures.**

### Summary:

- Waste and recyclable materials resulting from demolition work must be reused or sent to an approved waste disposal and recycling facility.
- A demolition application is to be submitted and approved, prior to demolition.
- A Compliance Report must be submitted upon demolition completion.

### General Information:

The City of Richmond has successfully achieved its goal to divert 70% of municipal solid waste in 2013 and is now close to meeting the 80% target in 2020. This has helped ensure that waste and recyclable materials resulting from demolition work are managed in a manner that enhances and protects the well-being of the community.

Prior to demolition work, a demolition application must be submitted.

#### **All demolition applications must be accompanied with the following:**

1. Schedule A: Waste Disposal and Recycling Services Plan (attached).
2. Payment of a non-refundable application fee (please refer to the [Application Fees](#)).
3. Payment of a Waste Disposal and Recycling Services Fee based on the square footage of the building/structure to be demolished.

#### **Upon the completion of the demolition of the building/structure, the applicant must submit to the Building Inspector within 90 days:**

1. Completed Schedule B: Compliance Report (attached).
2. All original copies of receipts, weight bills, etc.

Should you have any questions, comments, or suggestions concerning this bulletin, please reference the Bulletin number and email [building@richmond.ca](mailto:building@richmond.ca) or call the Building Approvals General Inquiries line at 604-276-4118.

See attached →







### Schedule "B" Compliance Report

Submit this form following the completion of project and attach documentation (copies of receipts, weigh bills, etc.)

Demolition Type: <input type="checkbox"/> Residential Building <input type="checkbox"/> Other _____	
Building Type: <input type="checkbox"/> Wood frame <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____	
Project Site Address: _____	
Building Permit No. ( <i>demolition</i> ): _____	Name of permit holder: _____
Project Floor Space [square feet]: _____ (Main floor) _____ (Total)	
Project Start Date (DD/MM/YYYY): ___/___/___ Project Completion Date (DD/MM/YYYY): ___/___/___	

#### Waste Disposal and Recycling Services Plan Compliance

Diversion Form and documentation (i.e., receipts and weigh bills) attached

**Tonnes recyclable material managed as authorized** (i.e. non-hazardous material removed to a **Recycling Facility** or as approved in **Waste Disposal and Recycling Services Plan**) = \_\_\_\_\_ = "A"

**Tonnes disposed** (i.e. non-hazardous **waste** removed to a **Disposal Facility**) = \_\_\_\_\_ = "B"

**Total non-hazardous tonnages of waste from demolition** = \_\_\_\_\_ = A+B = **Total**

**Level of Compliance** =  $(A \div \text{Total}) \times 100 =$  \_\_\_\_\_ % = "C" (use for refund calculation)

#### Waste Disposal and Recycling Services Fee Refund Calculation

**Waste Disposal and Recycling Services Fee** paid (from Form 1) \$ \_\_\_\_\_ = "D" (use for refund calculation)

**Refund calculated as follows:**

If C is 70% or greater, then D = Refund = \$ \_\_\_\_\_

If C is less than 70%, then  $(C \div 70) \times (D) =$  Refund = \$ \_\_\_\_\_

#### CITY STAFF USE ONLY

Compliance Report	Amount of <b>Waste Disposal and Recycling Services Fee</b> paid (Form 1) = \$ _____
<input type="checkbox"/> Complete	Amount of fee refunded = \$ _____
<input type="checkbox"/> Approved	

Compliance with Waste Disposal and Recycling Services requirements	<input type="checkbox"/> Yes	<input type="checkbox"/> Partial	<input type="checkbox"/> No
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\_\_\_\_\_  
Signature of Permit Holder

\_\_\_\_\_  
Signature of Compliance Report Reviewer

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_



**TABLE 1 - ESTIMATING WASTE GENERATION**

<b>Material type</b>	<b>Quantity</b>	<b>Lbs</b>	<b>Kg</b>
<b>Demolition</b>			
Wood – floor (without conc. topping)	1 sq ft	10	4.5
Wood – floor (with conc. topping)	1 sq ft	20	9
Wood – wall (exterior)	1 lin ft	25	11.4
Wood – wall (interior)	1 lin ft	20	9
Wood – roof	1 sq ft	5	2.2
Concrete slab (4" thick)	1 sq ft	50	22.7
Asphalt	1 sq ft	50	22.7
Brick/masonry	1 sq ft	50	22.7
Spread footing (20" wide)	1 lin ft	265	120.5

**TABLE 2 - VOLUME TO WEIGHT CONVERSION**

<b>Mixed C&amp;D</b>	<b>Quantity</b>	<b>Lbs</b>	<b>Kg</b>
Mixed C&D (structural)	1 cu yd	500	227.3
Mixed inerts (concrete, brick, dirt, asphalt)	1 cu yd	2000	909.1
Separated inerts	1 cu yd	2000	909.1
Wood	1 cu yd	375	170.5
Metals	1 cu yd	906	411.8
<b>Roofing Materials</b>			
Asphalt shingles/Composition	1 cu yd	419	190.5
Asphalt shingles/Composition	1 sq ft	3	1.4
Asphalt Tar Roofing	1 cu yd	2919	1326.8
Wood Shake/Shingle Roofing	1 cu yd	435	197.7
Wood Shake/Shingle Roofing	1 sq ft	2	0.9
Tiles (concrete roofing)	1 cu yd	10	4.5
Tiles (concrete roofing)	1 sq ft	2900	1318.2
<b>Yard Waste</b>			
Green waste (shrubs, turf, etc.)	1 cu yd	500	227.3
Yard trimmings	1 cu yd	108	49.1

Source: City of Santa Monica and Foster City Building Inspection Division (CA)