

ATTENTION, CONSTRUCTION TO COME!



Recovery of **CRD** waste

CONSTRUCTION
—
RENOVATION
—
DEMOLITION
—



Did you know that over one third of the waste generated in Quebec comes from construction, renovation, and demolition (CRD) materials?

Here is some information so your work avoids generating mass waste.

EXAMPLES OF DRY WASTE

ASPHALT SHINGLING

BRICK

GYPSUM

CONCRETE

WOOD

CEMENT

METALS

PLASTICS

Yes, it's true...
sorted materials often
cost less to recover
than using the
landfill!

THE 4R-D ON A WORK SITE...



The **4R-D** is the recommended order for material handling methods to minimize negative impacts.

HOW TO EFFECTIVELY PLAN YOUR WORK?

Here are a few things to consider to effectively plan your work:

- ✓ Purchase bulk materials to reduce packaging;
- ✓ Choose recycled materials;
- ✓ Optimize use of your new materials to limit waste;
- ✓ Choose raw materials, as they are easier to recycle at the end of their life cycle;
- ✓ Protect stored materials to prevent damage;
- ✓ Facilitate recycling and reuse by disassembling and limiting demolition;
- ✓ Return unused materials to suppliers when possible.

REDUCTION AT THE SOURCE

Minimize the waste produced through solid work planning.

REUSE

Reuse materials in good condition instead of buying new or recovered materials. By breaking them down, you will increase your chances of successful recovery.

RECYCLING AND **R**ECOVERY

Sorting materials is key to saving on processing costs.

- At the ecocentre, materials will be sorted by category. Remember to group them by category before going to the ecocentre.
- Materials can be sorted directly on site, reducing costs. However, when materials are sent mixed up in a container to a specialized sorting centre, a weight charge applies which increases costs. Dry materials will be sorted to remove those that can be recycled or recovered.

DISPOSAL

Materials that cannot be recovered must be safely disposed of in an authorized location.

WHAT IS NOT CRD WASTE MATERIAL?

When carrying out work, in addition to CRD waste materials, there can also be recyclable materials, bulky items, appliances, and hazardous waste materials (HWMs).

EXAMPLES OF **HWMs**

DRILL BATTERIES

CLEANING PRODUCTS

FLUORESCENT TUBES

EXTINGUISHERS

USED OIL


PAINT

SEALANTS

SOLVANTS

BATTERIES

ETC.



If there is a container on a work site, avoid putting everything and anything into it.

Here are 3 good reasons to not mix other materials with **CRD** waste materials:

- 1** Recyclable materials (paper and cardboard, plastic, glass, and metal containers) can be collected in the blue bin and recycled.
- 2** Bulky items and appliances will not be recycled if mixed among CRD waste materials.
- 3** HWMs are dangerous to workers and the environment. They should not be placed in a CRD waste material container. In addition to contaminating other materials, they can prevent them from being recycled. Therefore, it is important to separate them.

PSST...

Bulky item collection is a last resort. In many cases, the materials are sent for disposal.



WHY DISASSEMBLE RATHER THAN DEMOLISH?


To disassemble, simply reverse the order of construction. Thus, disassembly begins from the inside and finishes on the outside.

Materials are removed step by step to be better sorted, stored for reuse, or recycled.

Although it takes longer, disassembly can cost less than demolition, because it avoids some residue-handling costs. In some cases, it may even generate revenue.

WHAT DO THE REGULATIONS SAY?

Quebec must recycle and reuse **70 %** of construction, renovation, and demolition waste materials by 2023.¹ As a result, it is important to transport CRD waste materials to the appropriate sorting centres.

Quebec's goal: 
Recycle and reuse 70% of CRD waste materials by 2023.

Municipal by-laws generally prohibit CRD waste materials from garbage collection or incineration. It is therefore the owner's responsibility to ensure proper disposal of these waste materials.

WHY RECOVER **CRD** WASTE MATERIALS?

There are many benefits to properly managing materials on a work site or during residential renovations:

- ✓ Reduce landfill costs;
- ✓ Participate in reusing and recovering materials;
- ✓ Reduce the environmental impacts of projects;
- ✓ Become eligible for certification (e.g. Novoclimat 2.0, LEED®, BOMA BEST®);
- ✓ Improve corporate image.

¹2019-2024 Action Plan of Quebec's waste reduction policy.

WHAT ARE THE QUESTIONS TO ASK YOURSELF OR YOUR CONTRACTOR?



Can certain materials be reused (e.g. wash-basin, window, brick, etc.)?

Can waste materials be sorted directly on the work site?

Yes. This will facilitate their recovery by the ecocentres.

If you are renting a container, ask about the destination and make sure it is going to be routed to a certified CRD waste material sorting centre.

If the contractor leaves with your materials, ask what they intend to do with them.

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