



LEED 2009 for Existing Buildings: Operations and Maintenance

MR CREDIT 9: SOLID WASTE MANAGEMENT

FACILITY ALTERATIONS AND ADDITIONS



All fields and uploads are required unless otherwise noted.

ALL OPTIONS

This active sample form has been modified for offline access. Modified fields and instructions are indicated in purple. Sample forms are for reference only.

Refer to the project's Solid Waste Management Policy from MR Prerequisite 2 as this document establishes the goal, and practices that lead to achievement of this credit.

Performance period start:

Performance period end:

☒ During the performance period, the project building experienced qualifying facility alterations or additions.

You can extend the performance period back 2 years to capture qualifying alterations/additions activities, but all PP's must overlap and end within the same 30 day window.

Confirm that activities meet the specific definition of alteration or addition as described in the 2009 EBOM Reference Guide. See LEEDuser for additional guidance.

Describe the major components of the facility alteration or addition waste stream during the performance period, including components that were diverted and the mode of diversion employed.

The facility alteration project at ABC Building made substantial changes to Suite 350, requiring isolation of the worksite from building occupants. The major components the waste stream include drywall with finishes and adhesives, metal studs, insulation, and carpet flooring. There were no windows or doors in the demolition stream. The mode of diversion employed for each material type is listed in Table MRc9-1.

Unit of measurement (volume):

cubic yards

Total facility alterations and additions waste generated during the performance period:

33

You can use weight OR volume units, even though the credit form and rating system indicate that only volume is acceptable. Just be sure to use the same units consistently for this credit.

Use this space to clearly describe the scope of the alterations/addition and demonstrate that the work meets the minimum requirements.

Diverted waste (by volume) generated by facility alterations and additions applies to base building elements permanently or semipermanently attached to the building itself that enter the waste stream. Base building elements include at a minimum, building components and structures (wall studs, insulation, doors, windows), panels, attached finishings (drywall, trim, ceiling panels), carpet and other flooring material, adhesives, sealants, paints, and coatings. Furniture, fixtures and equipment (FF&E) are not to be considered base building elements and are excluded from this credit.

Table MRc9-1. Portion of Facility Alterations and Additions Waste Reused or Recycled

Diverted Materials Description	Diversion Method	Hauler or Destination	Diverted (cubic yards)		
Drywall	Recycled	▼ Exemplary Recycling Facility	14	+	-
Metal Studs	Recycled	▼ Exemplary Recycling Facility	7	+	-
Paper, cardboard	Recycled	▼ Exemplary Recycling Facility	8	+	-
Carpet	Recycled	▼ Carpet Take-Back Program	8	+	-
Total (cubic yards)			37		
Percent diverted (%) <i>Must be at least 70% to document 1 point and 95% for exemplary performance.</i>			84.09		

Transfer waste diversion data from your tracking tools into the LEED Online credit form.

Note that the Version 4 form incorrectly says 'durable goods' here instead of 'facilities alterations and additions'. Ignore this error and describe the QC program for your alterations/additions project.



Describe the quality control program in place to ensure that durable goods are not leaving the project building or associated grounds in uncontrolled or unmonitored channels of the waste stream.

The quality control program for the project included the following components:

- The Architect specified demolition goals and LEED documentation requirements in the project documents.
- Requirements were discussed in the pre-bid and pre-construction meetings with the project superintendent and subcontractors.
- A dedicated construction waste container with clear signage was placed separate from the area containing the regular trash dumpster to encourage construction staff to consider what materials were being placed where.
- Signage in English and Spanish was placed on regular trash dumpsters prohibiting mixing of construction debris in these dumpsters.
- Custodial staff and building engineers were brought into the process and instructed to notify management if any suspected construction waste was found in the regular trash.
- Recycler haul records were requested and reviewed regularly.

TENANT INFORMATION

Select one of the following:

- ☒ The project building is a single management/control building, pursuing no tenant-related exemptions and needs no tenant-related special calculations.
- ☐ The project building is a multi-tenant building.

The content highlighted in yellow above is linked to IEQc1.2, IEQc3.2-3.4, MRc1-9.

Select the tenant scenario that matches your building. If your project is the first scenario, continue on to the Additional Details and Summary sections and complete the credit form.

ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.
- ☐ The project team is using an alternative compliance approach in lieu of standard submittal paths and/or documentation.

SUMMARY

MR Credit 9: Solid Waste Management - Facility Alterations and Additions
Points Documented:

1

Check Compliance

MR Credit 9: Solid Waste Management - Facility Alterations and Additions
Exemplary Performance Documented:

N

- ☐ The project team reserves one point in the Innovation in Operations credit category for exemplary performance in MR Credit 9.

Click if you want to claim IO credit for exemplary performance and meet the threshold (will show a Y)

TENANT INFORMATION

Select one of the following:

- ☐ The project building is a single management/control building, pursuing no tenant-related exemptions and needs no tenant-related special calculations.
- ☒ The project building is a multi-tenant building. ←

The content highlighted in yellow above is linked to IEQc1.2, IEQc3.2-3.4, MRc1-9.

Select the tenant scenario that matches your building. If your project is the second scenario, there is additional information to provide.

MULTI-TENANT BUILDING

10% Exemption

Select one of the following:

- ☐ Up to 10% of the building's gross floor area is exempted from this credit and from the total costs described above because it is occupied by tenants who would not share data on quantities of facility alterations and additions waste.
- ☐ The quantities of facility alterations and additions waste are comprehensive and do not include any exemptions.

Select the multi-tenant scenario that matches your building.

If your project is the first scenario (area is being exempted from the credit), select that option and continue to the next slide.

If your project is the second scenario (total costs are comprehensive), select that option and continue on to slide 9.

Total gross square footage / gross floor area of the project building:

 sf

The content highlighted in yellow above is linked to P1f2, P1f3, P1f5, EAp2, IEQc1.2, IEQc3.2-3.4, MRc1-9 & IOc3.

The information below is linked to PI Form 3 and is read-only. To modify this information, see PI Form 3.

Table L-1. Space Usage Type

Space Usage Type	Space Name / Description (Optional)	Gross Area (sf)	Regularly Occupied Area (sf)	Un-conditioned Area ¹ (sf)	Owned or Leased	Lease Type	Prerequisites/ Credits From Which Space is Excluded, if any
Totals		0	0	0			
Total leased gross area (sf)		0					
Percentage leased gross area (%)							

¹ Unconditioned space is defined as an enclosed space within a building that is not a conditioned space or a semiheated space. Crawlspace, attics, and parking garages with natural or mechanical ventilation are not considered enclosed spaces.

If area is being exempted from the credit, the above Table L-1 will automatically pop up and will be filled out with information entered into PI Form 3.

For all spaces exempted from MR Credit 9: Solid Waste Management - Facility Alterations and Additions, describe the reason for the exemption and efforts made to acquire information related to MR Credit 9 documentation.

Retail space in the LEED building is not under control of building management, and has been excluded from all prerequisites and credits

Provide a narrative describing which spaces are being excluded from the credit and why.

Complete the Tenant Sustainable Purchases and Actual or Estimated Costs sections shown below.

Continue on to the Additional Details and Summary sections and complete the credit form.

Tenant Durable Goods Waste



Select one of the following:

- ☐ The project team is seeking recognition for tenant quantities of facility alterations and additions waste in this credit.
- ☐ The project team is not seeking recognition for any tenant quantities of facility alterations and additions waste in this credit.

Actual and Estimated Quantities

Select one of the following:

- ☐ The total quantities of facility alterations and additions waste entered in the table above are based on actual volumes of waste.
- ☐ The total quantities of facility alterations and additions waste entered in the table above are based on a combination of actual and estimated volumes of waste.

Note that the Version 4 form incorrectly says 'durable goods waste' here instead of 'facilities alterations and additions waste'.

Ignore this error and complete the section according to the scenario that matches your building.