
USACE / NAVFAC / AFCEC / NASA UFGS-01 74 19.05 20 (March 2015)
Change 1 - 09/15

Preparing Activity: NAVFAC Superseding
 UFGS-01 74 19.05 20 (June 2010)
 UFGS-01 74 19.05 20 (November 2007)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

SECTION 01 74 19.05 20

CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT FOR DESIGN-BUILD
03/15

NOTE: This guide specification covers the requirements for the management of non-hazardous construction and demolition waste materials.

Adhere to UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard when editing this guide specification or preparing new project specifications sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable item(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments, suggestions and recommended changes for this guide specification are welcome and should be submitted as a Criteria Change Request (CCR).

PART 1 GENERAL

NOTE: Military installations are required to direct at least 60 percent of their non-hazardous solid wastes (including waste from construction and demolition operations) from the waste stream, per the DoD Strategic Sustainability Performance Plan, starting in FY15. This guide specification should be used to reduce the amount of construction and demolition waste requiring landfill disposal or incineration and to promote more efficient use of construction materials during construction.

The requirements of this specification must be coordinated with the facility user to assure compatibility with the users waste management programs and to gain access to recycling centers and

storage areas. Also, this specification must be coordinated with other sections of the project specification requiring disposal of construction and demolition waste, such as Section 01 57 19 TEMPORARY ENVIRONMENTAL CONTROLS, Section 01 57 19.01 20 SUPPLEMENTAL TEMPORARY ENVIRONMENTAL CONTROLS and PART 3 and PART 4, Section F20, SELECTIVE BUILDING DEMOLITION; determine need for prescriptive specification, such as Section 02 81 00 TRANSPORTATION AND DISPOSAL OF HAZARDOUS MATERIALS, in PART 5 of RFP.

Use a properly edited version of this guide specification in every project. Support NAVFAC Mandatory Sustainability Requirements with waste management actions. Coordinate with Section 01 33 29.05 20 SUSTAINABILITY REPORTING FOR DESIGN-BUILD.

1.1 GOVERNMENT POLICY

NOTE: Diverting construction waste from the landfill is required by federal mandate. Coordinate requirements with Section 01 33 29.05 20 SUSTAINABILITY REPORTING FOR DESIGN-BUILD.

Military installations are required to direct at least 60 percent of their non-hazardous solid wastes (including waste from construction and demolition operations) from the waste stream. This guide specification requires the reduction of the amount of construction and demolition waste requiring landfill disposal or incineration, and to promote more efficient use of construction materials during construction.

1.2 SUBMITTALS

NOTE: Review Submittal Description (SD) definitions in Section 01 33 00.05 20 CONSTRUCTION SUBMITTAL PROCEDURES and 01 33 10.05 20 DESIGN SUBMITTAL PROCEDURES and edit the following list to reflect only the submittals required for the project. Keep submittals to the minimum required for quality control.

The Guide Specification technical editors have designated those items that require Government approval, due to their complexity or criticality, with a "G." Generally, other submittal items can be reviewed by the Contractor's Quality Control System. Only add a "G" to an item, if the submittal is sufficiently important or complex in context of the project.

An "S" following a submittal item indicates that the submittal is required for the Sustainability

eNotebook to fulfill federally mandated sustainable requirements in accordance with Section 01 33 29 SUSTAINABILITY REPORTING FOR DESIGN-BUILD. Coordinate all Part 2 and Part 4 Specification Sections with 01 33 29.05 20 SUSTAINABILITY REPORTING FOR DESIGN-BUILD.

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. Submittals with an "S" are for inclusion in the Sustainability eNotebook, in conformance with Section 01 33 29.05 20 SUSTAINABILITY REPORTING FOR DESIGN-BUILD. Submit the following in accordance with Section 01 33 00.05 20 CONSTRUCTION SUBMITTAL PROCEDURES and 01 33 10.05 20 DESIGN SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Waste Management Plan; G

SD-11 Closeout Submittals

Records; S

1.3 DISPOSAL

Control accumulation of waste materials and trash. Recycle or dispose of collected materials off-site at intervals approved by the Contracting Officer and in compliance with waste management procedures. Except as otherwise specified in other sections of the specifications, disposal must be in accordance with the following:

[1.3.1 Reuse

Give first consideration to salvage for reuse since little or no re-processing is necessary for this method, and less pollution is created when items are reused in their original form. [Coordinate reuse with the Contracting Officer.] [Reuse materials as indicated on the drawings.] Consider sale or donation of waste suitable for reuse.

]1.3.2 Recycle

NOTE: Crushing lamps on site creates a hazardous waste stream, which has additional handling and disposal requirements. Choose the bracketed option where services are available.

Recycle waste materials not suitable for reuse, but are recyclable. [Recycle all fluorescent lamps, HID lamps, and mercury-containing thermostats removed from the site. Arrange for timely pickups from the site or deliveries to recycling facilities in order to prevent contamination of recyclable materials.]

[1.3.3 Compost

NOTE: If a compost pile must remain on site after construction is complete, and if there is a use for the finished compost, employ composting practices throughout the project.

Consider composting on site if a reasonable amount of compostable material will be available. Compostable materials include plant material, sawdust, and certain food scraps.

]1.3.4 Waste

NOTE: Disposal by landfill or incineration on the installation should not be provided as a "no Cost" item. If necessary to use such facilities the Contractor should be charged the prevailing commercial rate.

Dispose of materials with no practical use or economic benefit to waste-to-energy plants where available. As the last choice, dispose of materials at a landfill or incinerator.

1.3.5 Return

Set aside and protect mis-delivered and substandard products and materials and return to supplier for credit.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.1 WASTE MANAGEMENT PLAN

NOTE: The requirements for the Contractor's waste management plan must be coordinated with the waste management plan for the installation. Revise this paragraph as necessary to meet the installation's requirements.

Submit a waste management plan within [15][_____] days after [contract award][notice to proceed] and not less than 10 days before the [preconstruction][pre-demolition] meeting and prior to initiating any site preparation work. The plan must demonstrate how the project waste diversion goal is met and plan must include the following:

- a. Name of individuals on the Contractor's staff responsible for waste prevention and management.

- b. Actions that will be taken to reduce solid waste generation, including coordination with subcontractors to ensure awareness and participation.
- c. Description of the regular meetings to be held to help to address waste management.
- d. Description of the specific approaches to be used in recycling/reuse of the various materials generated, including the areas on site and equipment to be used for processing, sorting, and temporary storage of wastes.
- e. Characterization, including estimate types and quantities, of the waste to be generated.
- f. Name of landfill and/or incinerator to be used and the estimated costs for use, assuming that there would be no salvage or recycling on the project.
- g. Identification of local and regional reuse programs, including non-profit organizations such as schools, local housing agencies, and organizations that accept used materials such as materials exchange networks and Habitat for Humanity. Include the name, location, and phone number for each reuse facility to be used, and provide a copy of the permit or license for each facility.
- h. List of specific waste materials that will be salvaged for resale, salvaged and reused, or recycled. Identify recycling facilities that will be used. Provide percentage of non-hazardous construction and demolition waste materials that have been diverted from the waste stream.
- i. Identification of materials that cannot be recycled/reused with an explanation or justification.
- j. Description of the means by which any waste materials identified in item (h) above will be protected from contamination.
- k. Description of the means of transportation of the recyclable materials (whether materials will be site-separated and self-hauled to designated centers, or whether mixed materials will be collected by a waste hauler and removed from the site).
- l. Anticipated net cost savings determined by subtracting Contractor program management costs and the cost of disposal from the revenue generated by sale of the materials and the incineration or landfill cost avoidance.
- m. Actions that will be taken to divert at least the required amount of non-hazardous solid wastes (including waste from construction and demolition operations) from the waste stream. Report actual diversion rates during construction and demolition.

**NOTE: Editor provide point of contact information
for military base recycling/reuse program in bracket
below.**

- n. Identification of base, local and regional reuse programs, including non-profit organizations such as schools, local housing agencies, and organizations that accept used materials such as materials exchange networks and Habitat for Humanity. [_____]

3.2 RECORDS

Maintained records to document the quantity of waste generated; the quantity of waste diverted through sale, reuse, or recycling; and the quantity of waste disposed by landfill or incineration. Report with monthly invoicing the tons diverted, the tons sent to the landfill, cost for each, and the monthly diversion rate. Make the records available to the Contracting Officer during construction, and a copy of the records must be [delivered to the Contracting Officer upon completion of the construction][included in the Sustainability Notebook].

-- End of Section --