

SECTION 01 74 19
CONSTRUCTION WASTE MANAGEMENT

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies the requirements for the management of non-hazardous building construction and demolition waste.
- B. Waste disposal in landfills shall be minimized to the greatest extent possible. Of the inevitable waste that is generated, as much of the waste material as economically feasible shall be salvaged, reused, or recycled.
- C. Contractor shall use all reasonable means to divert construction and demolition waste from landfills and incinerators, and facilitate their salvage, reuse, and recycle.
- D. At a minimum the following waste categories shall be diverted from landfills:
 - 1. Soil.
 - 2. Inerts (eg, concrete, masonry and asphalt).
 - 3. Clean dimensional wood and palette wood.
 - 4. Green waste (biodegradable landscaping materials).
 - 5. Engineered wood products (plywood, particle board and I-joists, etc).
 - 6. Metal products (eg, steel, wire, beverage containers, copper, etc).
 - 7. Cardboard, paper and packaging.
 - 8. Bitumen roofing materials.
 - 9. Plastics (eg, ABS, PVC).
 - 10. Carpet and/or pad.
 - 11. Gypsum board.
 - 12. Insulation.
 - 13. Paint.
 - 14. Fluorescent lamps.

1.2 RELATED WORK

- A. Section 02 41 00, DEMOLITION.
- B. Section 01 00 00, GENERAL REQUIREMENTS.
- C. Lead Paint: Section 02 83 33.13, LEAD BASED PAINT REMOVAL AND DISPOSAL.

1.3 QUALITY ASSURANCE

- A. Contractor shall practice efficient waste management when sizing, cutting and installing building products. Processes shall be employed

to ensure the minimization of avoidable waste, such as that created by the following:

1. Excess or unusable construction materials.
 2. Packaging used for construction products.
 3. Poor planning and/or layout.
 4. Construction error.
 5. Over ordering.
 6. Weather damage.
 7. Contamination.
 8. Mishandling.
 9. Breakage.
- B. Contractor shall develop and implement procedures to recycle construction and demolition waste to a minimum of 50 percent.
- C. Contractor shall be responsible for implementation of any special programs involving rebates or similar incentives related to recycling. Any revenues or savings obtained from salvage or recycling shall accrue to the contractor.
- D. Contractor shall ensure that facilities used for recycling, reuse and disposal shall be permitted for the intended use to the extent required by local, state, federal regulations. The Whole Building Design Guide website <http://www.cwm.wbdg.org> provides a Construction Waste Management Database that contains information on companies that haul, collect, and process recyclable debris from construction projects.
- E. Contractor shall provide on-site instructions and supervision of separation, handling, salvaging, recycling, reuse and return methods to be used by all parties throughout the project.
- F. Record on daily reports any problems in complying with laws, regulations and ordinances with corrective action taken.

1.4 SUBMITTALS

- A. In accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, and SAMPLES, furnish the following:
- B. Upon receiving the Notice to Proceed, prepare and submit to the COTR a written Waste Management Plan. The plan must be approved before work can begin on site. The Waste Management Plan shall include the following information:
1. The Designated Manager responsible for supervising, documenting, and instructing personnel on the Waste Management Plan.
 2. Techniques to be used to minimize waste generation.

3. Procedures to be used for debris/waste stream management.
 4. An inventory of the estimated job site waste to be generated, including the following information for each anticipated material/waste stream:
 - a. Brief description.
 - b. Estimated total quantity of waste anticipated.
 - c. Estimated quantity to be salvaged, reused, or recycled.
 - d. Estimated quantity to be disposed of.
 - e. Name of destination facility or site.
 - f. Location of destination facility or site.
 - g. Method of transportation.
 5. Documentation that all facilities and sites listed in the inventory are approved to receive the listed materials. Should additional facilities/sites be added later in the project, documentation for these facilities/sites shall be submitted as an amendment to the Waste Management Plan. The submittal must be approved before the Contractor may utilize the facility/site.
- C. With each application for progress payment, submit a summary of construction and demolition debris diversion and disposal, quantifying all materials generated at the work site and disposed of or diverted from disposal. State the beginning and ending dates of the period covered. Include the following information for each waste stream:
- a. Brief description.
 - b. Quantity (in pounds) of waste generated for the period.
 - c. Quantity (in pounds) of waste salvaged, reused, or recycled for the period.
 - d. Quantity (in pounds) of waste disposed of for the period.
 - e. Cumulative amount (in pounds) of waste generated for the project.
 - f. Cumulative amount (in pounds) of waste salvaged, reused, or recycled for the project.
 - g. Cumulative amount (in pounds) of waste disposed of for the project.
 - h. Name of destination facility or site.
 - i. Location of destination facility or site.
 - j. Method of transportation.
 - k. Costs associated with disposal, salvage, reuse, or recycling.
 - l. Savings and/or proceeds associated with disposal, salvage, reuse, or recycling.

- m. Attach all applicable tracking data for the period, including receiving parties, dates removed, transportation costs, weight tickets, tipping fees, manifests, and invoices.
- D. For waste streams where reporting in pounds is not possible, report in a logical unit of measurement for the material and report the percent of waste salvaged, reused, or recycled.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.1 COLLECTION

- A. Provide all necessary containers, bins and storage areas to facilitate effective waste management.
- B. Clearly identify containers, bins and storage areas so that recyclable materials are separated from trash and can be transported to the respective recycling facility for processing.
- C. Cover all waste that is stored outdoors that would have the potential to migrate into stormwater, including all dumpsters.
- D. Hazardous wastes and regulated materials shall be separated, stored, and disposed of according to local, state, federal regulations. All regulated and hazardous waste materials shall be communicated to the GEMS Coordinator, via the Resident Engineer, within 24 hours of waste generation/identification. Shipping documents for regulated and/or hazardous waste shall only be signed by the VA GEMS Coordinator or by a designated authorized personnel.

3.2 DISPOSAL

- A. Shipping documents prepared for waste disposal shall be submitted to the GEMS Coordinator for review and acceptance prior to the scheduled shipping date.
- B. Contractor shall provide all demolition, removal and legal disposal of materials.

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