

# MANAGING CONSTRUCTION & DEMOLITION MATERIALS

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This training course provides the knowledge required to manage Construction and demolition (C&D) debris materials operations and addresses environmentally and economically sound design for recycling and disposal operations for C&D debris materials management. C&D debris represents a major component of the municipal solid waste stream. As we realize the magnitude of the debris stream, the recycling potential of its components, and the possible harm to the environment when mismanaged, understanding and knowing how to manage the C&D debris stream is increasingly important.

## Upon Completion of this Course, Participants Should Be Able To:

- Identify environmental and health impacts of C&D debris
- Discuss how C&D debris is defined by federal statute
- Describe the factors affecting C&D debris composition
- Identify the types of markets used for recycling C&D debris
- Explain the importance of landfills, landfill regulations, permitting, and design and layout
- Illustrate characteristics of C&D landfill leachate, groundwater impacts and monitoring
- Identify trends in C&D management and influencing factors

## Who Should Attend

The intended audience for the course includes individuals involved in the management of solid waste systems that recycle and dispose of wastes generated as a result of the construction, deconstruction, renovation and demolition of buildings and structures. Some examples are:

- *Managers of local government solid waste operations* that would like to add C&D debris processing to their existing solid waste recycling and disposal operations;
- *Private sector individuals that would like to establish commercial operations* for the recycling and disposal of C&D debris;
- *Architects and engineers*

## Course Content

The course manual is *Managing Construction and Demolition Materials*. This comprehensive manual details the following topics with supplemental images, graphs and examples for participants to discuss and acts as a reference tool back on the job.

- *Defining C&D materials*
- *C&D Landfill Siting, Permitting and Design*
- *C&D Recycling Facility Layout and Operation*
- *Operations Management*
- *Environmental Issues*
- *Markets for Recovered Materials*
- *Assessing Options for Recycling on the Job Site*
- *C&D Debris Processing Equipment*
- *Compliance Inspections*
- *Trends in C&D Management*

