

MANAGING MSW COLLECTION SYSTEMS

Managing Collection Systems addresses the collection of residential solid waste and recyclables from single family and multi-family residences. The course provides information that will assist individuals plan, operate and manage residential solid waste and recyclables collection systems. The course includes a discussion of emerging technology and best practices as reported in the literature and practice. SWANA offers Managing Collection Systems as preparation for the Collection Systems certification exam or as a standalone course.

COURSE OBJECTIVES

This course teaches students:

- The fundamentals of municipal solid waste design and operation
- The methods, types, and levels of collection services
- The three types of collection equipment design and proper equipment maintenance practices
- The four “proven” collection methods
- The guidelines and techniques associated with collection vehicle routing
- The guidelines and techniques associated with yard waste, special waste, and commercial waste
- The issues associated with organizing and managing collection services, including basics personnel management
- The concepts and practices associated with cost accounting and financing collection services
- The manager’s role and responsibility in establishing and maintaining health and safety programs
- How to design and implement an effective billing and customer service program
- How to write specifications for collection equipment
- How to obtain support for collection programs and implement an education and outreach program

WHO SHOULD ATTEND

This course is intended for collection system owners, operators, managers, system planners, and employees responsible for collection system operations management.

COURSE CONTENT

The course consists of lectures, class exercises, and discussion. The text for the course, Managing MSW Collection Systems, is a comprehensive guide with supplemental images, graphs, examples, and exercises. It serves as an on the job reference.

- The Need for Solid Waste Collection (including The role of The private sector and federal, state and local government)
- Municipal Solid Waste Characteristics
- Collection Service Types, Levels, and Methods
- Solid Waste Collection Equipment
- Developing a Solid Waste Collection Plan
- Collection Systems Design
- Routing
- Collection Residential MSW and Recyclables
- Collecting Yard Waste and Special Waste
- Collecting Commercial Solid Waste
- Equipment Maintenance
- Health and Safety
- Organization and Management
- Personnel Management
- Cost Accounting and Financing
- Billing and Customer Service
- Contracting for Collection Services
- Planning a Public Education and Outreach Program

