

# 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

