



LANDFILL GAS SYSTEMS OPERATION & MAINTENANCE

This interactive 2-day course provides a comprehensive review of the fundamentals of landfill gas systems design, operation and maintenance and troubleshooting, and explores the daily challenges associated with the operation and maintenance of LFG systems by discussing generally accepted industry practices as well as some new and alternative approaches for the capture, control and management and beneficial use of landfill gas.

The information in this course is useful for practical hands-on use in the field and is presented in an easy to understand format. Class participants and instructors discuss alternative practices, lessons learned, and issues debated in the industry.

Objectives

The objectives of this course are to:

- Compile and present key portions of the general body of knowledge about operating and maintaining LFG control systems.
- Present accepted practices and procedures for LFG control practices.

Who Should Attend

Experienced landfill operators and consultants with previous LFG operations experience will gain most of this course. It is strongly recommended that you complete the Introduction to Landfill Gas before taking this course.

Course Content

The course manual is *Landfill Gas Systems Operation and Maintenance* and can be used as a source of information, practices and procedures for the operation of landfill gas collection and control systems for both inexperienced and experienced operators. The Manual serves as a valuable on the job reference tool.

Topics covered in the course include, but are not limited to:

- LFG Fundamentals
- LFG Control Function Overview
- Summary of LFG Regulatory Requirements
- LFG Monitoring System
- LFG Wellfield and Collection Systems
- LFG Treatment and Disposal Facility
- LFG System Operation
- Data Management and Understanding
- Instrumentation
- Landfill and LFG Safety
- Facility Management and Operation Documentation

