



Advancing the practice of environmentally and economically sound municipal solid waste management in North America

Manager of Landfill Operations (MOLO) Training and Certification Course

Featuring
California-Specific SWANA MOLO Training

In Today's World, You Can't Afford NOT To Be Trained & Certified

**Today, more than ever, professionals
working in the solid waste industry**

- increasing competition
- increasing regulations
- public pressure
- demands for increased efficiency
- expanding duties
- calls for a leaner, more productive work force

In order to keep informed on all the changes in the field, you must get trained. SWANA's professional development and certification courses can help you address the issues!

MOLO offers SWANA Certification as a Certified Landfill Manager, Certified Landfill Inspector or Certified Landfill Technical Associate to qualified candidates.

**Lead the field-
become SWANA
Certified today!**

In order to be considered for certification, you **MUST** fill out an application. Applications will be available the day of the Certification Exam.

ANY CERTIFICATION QUESTIONS?

Please contact the Certification Coordinator, at
1-800-GO-SWANA (467-9262); e-mail:
certification@swana.org

Manager of Landfill Operations (MOLO) Training & Certification, Including California Specific Training Course Summary

Day 1—Tuesday

Breakfast will begin at 6:00 am. Registration will begin at 7:00am. Instruction will begin at 8:00 am and will end between 5 - 6:00 pm. Lunch will be provided.

LESSON I COURSE INTRODUCTION AND OVERVIEW

An overview of the three day program including course objectives, certification, and an introduction of the class and faculty.

LESSON II SOLID WASTE AND LANDFILL BASICS

Reviews the composition, generation and characteristics of municipal solid waste.

LESSON III LANDFILL REGULATIONS

Provides an overview of the regulations and permitting process governing municipal solid waste landfills.

LESSON IV LANDFILL LOCATION AND SITE LAYOUT

Addresses the various factors related to selecting a landfill site.

LESSON V MODERN LANDFILL DESIGN AND CONSTRUCTION

Reviews various aspects of landfill design and construction including liners, leachate & gas collection and final cover systems.

LESSON VI SCREENING OF PROHIBITED AND PROBLEMATIC WASTES

Examines what are prohibited and problematic wastes, waste screening techniques, record keeping and public education.

LESSON VII LANDFILL EQUIPMENT

This lesson discusses the various types of landfill equipment available, selecting the appropriate equipment, maintenance and economic issues.

Day 2—Wednesday

Breakfast will begin at 6:00 am. Instruction will begin at 8:00 am and will end between 5 - 6:00 pm. Lunch will be provided.

LESSON VIII BASIC OPERATIONS TECHNIQUES I

Provides instruction on sound operational practices including compliance with plans & permits, waste placement, compaction and cover techniques.

LESSON IX BASIC OPERATIONS TECHNIQUES II

Concludes the instruction on operational practices with a discussion on run-on & run-off control, dust and litter control, vectors and other operational concerns.

LESSON X LEACHATE MANAGEMENT

Examines the sources, characteristics, treatment and management of leachate.

LESSON XI LANDFILL GAS MANAGEMENT

Addresses the sources, composition, collection and management of landfill gas.

LESSON XII GROUNDWATER MONITORING

A discussion of groundwater monitoring requirements including a review of pertinent regulations, sampling and analyses techniques, monitoring and corrective action plans.

LESSON XIII FIELD EXERCISE AT WMI ALTAMONT LANDFILL

Provides an opportunity for students to go into the field and review the concepts taught in the classroom. Included are hands-on stations for operations, groundwater monitoring, soils and landfill gas sampling. The students will be given the chance to evaluate the landfill against the

design and permit conditions of the facility. Transportation will be provided.

EVENING EVENT

A hospitality reception hosted by *Caron Compactor Company* will be provided after the field exercise.

Day 3—Thursday

Breakfast will begin at 6:00 am. Instruction will begin at 8:00 am and will end between 5 - 6:00 pm. Lunch will be provided.

LESSON XIV LANDFILL OPERATIONAL PLANS

A review of the various plans needed to successfully operate a solid waste landfill. The plans discussed will include facility operational plans, maintenance plans, emergency and contingency plans.

LESSON XV COMMUNICATIONS

Addresses the importance of schedule interaction, basic management and public relations. Included in this lesson will be a small group exercise.

LESSON XVI BIOREACTOR LANDFILLS

A discussion on a variety of aspects related to bioreactor landfills. Included in this discussion will be a review of the governing regulations, the benefits and concerns associated with bioreactor landfills, various bioreactor configurations and operational issues.

LESSON XVII CLOSED LANDFILL ISSUES

A review of the requirements for the closure and post-closure of a landfill. Items covered will include design, closure plans, post-closure care, potential end uses and financial assurance.

LESSON XVIII COMPLIANCE INSPECTIONS

Provides instruction on techniques for inspecting landfills. The lesson will include compliance inspection

authority and process, and post inspection actions.

LESSON XIX SAFETY CONTINGENCY COUNTERMEASURES

Examines landfill site security measures, employee training, safety equipment, contingency plans, and OSHA issues.

LESSON XX LANDFILL ECONOMICS

An overview of the economics of landfill design and operations relative to the costs of equipment, staffing, operations and compliance monitoring.

LESSON XXI COURSE WRAP-UP AND EVALUATION

Student and staff will participate in a question and answer session.

Day 4—Friday

Breakfast will begin at 6:00 am. The examination will be held from 8:00 am to 12 noon.

WRITTEN EXAMINATION

For those wishing to be certified OR re-certified by SWANA, an examination is required. The examination is open to all class participants and includes multiple choice, true/false and problem solving questions.

Bring hard-soled boots and appropriate clothing for a landfill visit.

Hotel

SWANA



SWANA MOLO TRAINING COURSE

Course Location and Hotel Information

April 24 – 27, 2012

**Hilton Garden Inn
Livermore
2801 Constitution Drive
Livermore, CA 94551
Phone: (925) 292-2000**

Ask for the SWANA Gold Rush Chapter group rate:

\$99 per night if you make your reservation by March 24th.

In order to ensure that your room is reserved, you must reserve your room with a credit card guarantee. Check in time is 3 p.m. Check out time is 12 p.m.

Please don't be a NO SHOW. If you cannot make the course, you should cancel any hotel room reservation by calling the hotel directly AND by contacting SWANA Gold Rush Chapter at (916) 875-7087.

PLEASE NOTE: Reservations made after the cut off date (March 24th) will be subject to rate and space availability. **A MINIMUM OF 24 HOUR NOTICE MUST BE GIVEN TO CANCEL HOTEL ROOM WITHOUT BEING SUBJECT TO A CANCELLATION FEE.**

Field Exercise will be at the Altamont Landfill & Resource Recovery Facility



For more information contact
SWANA Gold Rush Chapter

Phone: (916) 875-7087
Fax: (916) 854-9212

Email: koboldd@saccounty.net

Join SWANA

SWANA, the Solid Waste Association of North America, is a membership organization with over 7500 Members and 44 Chapters, representing solid waste professionals in both the public and private sector. Our mission is to advance the practice environmentally and economically sound municipal solid waste management. Benefits of membership include:

- Opportunity to network and share ideas with fellow solid waste professionals
- Increased knowledge through the numerous training courses and conferences
- Professional development through participation in the many Technical Divisions
- Timely updates on regulations and changes that will affect your operations
- Access to the world's largest solid waste library (over 7000 volumes)
- MSW solutions, the monthly newsletter of the Solid Waste Association of North America

For more information on the benefits of membership in SWANA, visit our Homepage at <http://swana.org>; or call 1-800-GO•SWANA.

If you're ready to join, simply use the registration form located in this brochure.

Manager of Landfill Operations (MOLO) Training and Certification Course

Why Attend the Manager of Landfill Operations Training and Certification Course?

The MOLO course will provide:

- Knowledge of current landfill design and operating practices;
- Overview of state and federal regulations;
- An opportunity to network with peers in your region; and
- The potential for professional development.

SWANA's MOLO course has been taught in over 100 locations to more than 7,000 solid waste management professionals like you. Currently there are over 3,000 Certified Landfill Managers and Inspectors as part of SWANA's voluntary certification program. SWANA is also providing a California - specific training curriculum for managers, operators and inspectors of solid waste landfills. Sign up for MOLO today and join your peers at [the most recognized landfill training certification program in North America!](#)

• Faculty.

The faculty for the training course is comprised of SWANA members possessing many years of experience in landfill design, management, operation and/or enforcement. Instructors will be available after scheduled class times to assist students with concerns or problems.

• Audience

The primary audience for this course is Landfill Managers (those individuals responsible for the management of day-to-day operation of a landfill) and Landfill Inspectors (those individuals responsible for enforcing regulatory requirements). Others who can benefit from attending the course include solid waste directors, public works directors, lead equipment operators, landfill designers, landfill permit writers and others in the landfill industry.

CERTIFICATION INFORMATION

◆ Certification Criteria

To be eligible for SWANA certification you must:

1. Attend SWANA's MOLO course.
2. Successfully complete SWANA's certification examination.
3. Meet SWANA's eligibility requirements as determined by completion of a Certification Application.

NOT ALL COURSE PARTICIPANTS ARE ELIGIBLE FOR SWANA CERTIFICATION.

If you have any concerns that you may not be eligible for certification (and that is your sole reason for attending), please call us prior to registering at 1-800-GO-SWANA (467-9262) or send e-mail to certification@swana.org

◆ Certification Information:

If you would like to apply for certification as a Certified Landfill Manager, Landfill Inspector, or Landfill Technical Associate, you must complete a Certification Application. Applications will be available the day of Certification Exam. If you would like your application reviewed for certification eligibility prior to attending the course, please the SWANA Certification Coordinator at 1-800-GO-SWANA (467-9262) or send e-mail to certification@swana.org.

To be eligible for certification as a Certified Landfill Manager an individual must demonstrate that:

- ◆ He or she is responsible for the daily on-site management of a site and for assuring that the landfill complies with its design and permit conditions; and
- ◆ He or she has at least two years experience as a landfill manager and five years in the MSW management field (may be cumulative).

To be eligible for certification as a Certified Landfill Inspector an individual must demonstrate that:

- ◆ He or she is responsible for assuring that the landfills under his or her jurisdiction comply with local, county and/or state permit conditions; and
- ◆ He or she has at least two years experience as a landfill inspector and five years in MSW (may be cumulative).

To be eligible for certification as a Certified Landfill Technical Associate an individual must demonstrate that:

- ◆ He or she is involved in the operation, planning, design or implementation of a MSW Landfill but does not qualify as a Certified Landfill Manager or Inspector. NOTE: This includes landfill managers and inspectors with less than two years managerial experience and/or five years in MSW. If Certified as a Landfill Technical Associate, once required experience is achieved, a change to Certified Landfill Manager or Landfill Inspector may be requested. Certification must be current.

For those interested in being SWANA Certified as a Landfill Manager, Landfill Inspector or Landfill Technical Associate, there is a mandatory three hour written examination. (Not required for currently Certified individuals attending the course for re-certification only).

Certification-eligible candidates who pass the written examination will receive their certificates as a Landfill Manager, Landfill Inspector or Landfill Technical Associate approximately two months following the course. Individuals who are not deemed certification-eligible, but pass the written examination, will receive a letter which states those facts. These individuals can be retroactively SWANA Certified if they meet the eligibility requirements within one year. All students will receive a Certificate of Participation.

It should be noted that the Certification offered by SWANA is voluntary. SWANA does not endorse or guarantee the quality of any work or conduct of an applicant who has been certified.

◆ California-Specific SWANA MOLO Training

California-Specific SWANA MOLO curriculum provides students with the knowledge of California's Landfill operations, regulations and requirements. The course is designed to train managers, operators and inspectors of landfill operations in the State of California to increase the competency and efficiency of solid waste landfill operations.

◆ Re-Certification Requirements

Initial certification must be through training and testing provided by SWANA. The term of certification is three years. Re-certification can be accomplished by the demonstration of 30 contact hours of training determined by SWANA to enhance the capabilities of the candidate. Re-certification can also be accomplished by re-taking the MOLO training course. There is a \$200 re-certification fee (not included in the cost of the course). If you are taking the course for re-certification, you must pay the \$200 re-certification fee along with your course registration. Please fill in the appropriate line on the registration form.

◆ Failed Certification Candidates

Candidates, who are determined to be certifiable, but fail the written examination, may re-take the examination twice within 6 months of the first examination without additional instruction. The fee for each re-test is \$175 for members and \$300 for non-members. Please call SWANA for details at 1-800-GO-SWANA (467-9262) or send e-mail to certification@swana.org.

April 24 – 27, 2012

**Hilton Garden Inn
Livermore
2801 Constitution Drive
Livermore, CA 94551
Phone: (925) 292-2000**

First Name _____ Last Name _____
SWANA Membership #: _____
Title _____
Organization _____
Address _____
City _____ State _____ Postal Code _____
Phone _____ Fax _____
e-mail _____

Please check here if you have any dietary or ADA needs, and attach information.

Registration Options

SWANA Membership (Sign up for SWANA membership and receive the member rate!) **New Public Sector:** \$183
 New Corporate: \$343 **Small Business:** \$243 **Student:** \$62 **Retired:** \$72 \$ _____

	Training Course	Certification Testing (Fri)	Both Training & Certification	
Discounted Rates (California Residents)				
<input type="checkbox"/> Members	<input type="checkbox"/> \$676	<input type="checkbox"/> \$150	<input type="checkbox"/> \$826	\$ _____
<input type="checkbox"/> Non-Members	<input type="checkbox"/> \$833	<input type="checkbox"/> \$275	<input type="checkbox"/> \$1,108	\$ _____

Note: The prices above are subsidized by the California Chapters and are for registrants in those chapters only.

SWANA's Regular Training Course Rates (Non-California Residents)

<input type="checkbox"/> Members (Non-CA)	<input type="checkbox"/> \$796	<input type="checkbox"/> \$175	<input type="checkbox"/> \$971	\$ _____
<input type="checkbox"/> Non-Members (Non-CA)	<input type="checkbox"/> \$946	<input type="checkbox"/> \$300	<input type="checkbox"/> \$1,246	\$ _____
<input type="checkbox"/> Re-Certification Fee		<input type="checkbox"/> \$200		\$ _____
TOTAL DUE				\$ _____

Certification. In order to be considered for certification, you must fill out an application, have it signed by your supervisor, and either mail it or fax it with your registration. You may download the certification application at http://swana.org/Portals/Certification/Certification_Application_2011.pdf, or you may request to have one mailed to you by calling (916) 875-7087 or emailing koboldd@saccounty.net.

Method of Payment *IMPORTANT: Please read SWANA's Payment and Cancellation/ Refund Policies, select a payment method and sign the Payment Acknowledgement below.

- My check for \$ _____ made out to SWANA Gold Rush Chapter
- My P.O. number is _____ (copy of P.O. must be attached)

If you must process your payment through your organization, please submit your registration in advance and indicate payment to follow.

Payment Policy: SWANA accepts cash, checks, and money orders for payments of all events. Purchase Orders for future invoicing may be accepted at the discretion of the event organizer. A copy of all Purchase Orders must accompany the registration form.

Cancellation/Refund Policy: Cancellations for SWANA meetings must be made in writing. Phone cancellations will not be accepted. Refunds will be based on the date of the written cancellation and will be issued as follows: 30 days or more prior to the start date of the event, 100% refund of the registered amount less a \$50 administration fee, 14-29 days prior to the start date of the event, 75% refund of the registered amount; less than 14 days prior to the start date of the event, 50% credit for the registered amount may be issued toward a future SWANA meeting. A minimum administration fee of \$50 will be charged on all registered amounts less than \$200. **We invoice for no-shows!** Failure to notify SWANA of your intent to cancel prior to the start date of the event will result in being invoiced for the full registered amount and credit will not be issued.

Payment Acknowledgement: (REQUIRED) Please sign and date below indicating that you have read and understand the payment and cancellation/refund policies above. Registrations will not be processed without signatures.

Signature _____ Date _____