



## Solid Waste Association of North America (SWANA) Northern California Gold Rush Chapter

Advancing the practice of environmentally and economically sound municipal solid waste management in North America through training, certification and continuing education of municipal solid waste professionals.

### 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  
must respond to:**

- 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

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

### LESSON 1 COURSE INTRODUCTION AND OVERVIEW

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

### LESSON 2 LANDFILL BASICS

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

### LESSON 3 LANDFILL SITING

Addresses the various factors related to selecting a landfill site.

### LESSON 4 LANDFILL DESIGN

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

### LESSON 5 PERMITTING

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

### LESSON 6 CONSTRUCTION

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

### LESSON 10 COMPLIANCE INSPECTIONS AND PUBLIC RELATIONS

Provides instruction on techniques for inspecting landfills. The lesson will include compliance inspection authority and process, and post inspection actions.

## Day 2—Wednesday

Instruction will begin at 8:00 am and will end at approximately 5:00 pm. Lunch will be provided.

### LESSON 7 LANDFILL OPERATIONS

Provides instruction on sound operational practices including landfill and support equipment, waste placement and compaction techniques and cover techniques.

Additional topics include stormwater run-on & run-off control, dust and litter control, vectors and other operational concerns.

This chapter also includes 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 as well as some basic surveying techniques.

### FACILITY TOUR OF MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Provides an opportunity for students to go into the field and review the concepts taught in the classroom. The students will be given the chance to evaluate the landfill against the design and permit conditions of the facility. Transportation will be provided.

Facility Tour. Students will depart from the hotel at 12:30 pm immediately after lunch for the Facility Tour.

### LESSON 8 OPERATIONAL CHALLENGES

Provides instruction on sound practices for dealing with operational challenges that face landfill operators.

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

## Day 3—Thursday

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

### LESSON 9 ENVIRONMENTAL MONITORING

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

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

### LESSON 12 ECONOMICS

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

### LESSON 13 EMERGING TECHNOLOGIES

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

### LESSON 14 GENERAL SAFETY

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

### LESSON 11 CLOSURE

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 financial assurance.

### LESSON 15 SUMMARY

Students and instructors will participate in a course summary and question and

## Day 4—Friday

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. It is recommended that a simple 9 digit calculator be brought for use on the exam—no other electronic devices such as cell phones or tablets will be allowed during the exam.



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

# Hotel Information

## SWANA MOLO TRAINING COURSE

### Course Location and Hotel Information

**Hurry, class size is limited! Course Registration cut-off is *March 23, 2018***

**April 10–13, 2018**

**Embassy Suites by Hilton  
Monterey Bay Seaside  
1441 Canyon Del Rey,  
Seaside, CA 93955  
Hotel Direct: (831) 393-1115  
Fax: (831) 899-1928**

For reservations, call 1-800-EMBASSY and ask for the SWANA group rate by referencing group code "SWN" or you can book directly at [www.embassymonterey.com](http://www.embassymonterey.com), after entering your arrival and departure dates, click on "Add special rate codes" and enter "SWN" under the group code .

\$179 per night + 12.195% hotel tax + \$2.00 Monterey County Tourism Assessment per night for reservations made by March 16<sup>th</sup>.

Room rate includes fresh, hot complimentary breakfast and evening reception.

Onsite parking is \$10.00 per night.

In order to ensure that your room is reserved, you must reserve your room with a credit card guarantee. Check in time is 4 p.m. Check out time is 11 a.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 (209) 345-6036.

**PLEASE NOTE:** Hotel reservations made after the cut off date (March 16<sup>th</sup>) 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 Monterey Regional Waste Management District's Monterey Peninsula Landfill. Please bring hard-soled boots and safety vest. Dress appropriately for a landfill visit.



For more information contact  
SWANA Gold Rush Chapter  
James Moore, MOLO Committee Chairman  
Phone: (209) 345-6036  
[jmoore@scsengineers.com](mailto:jmoore@scsengineers.com)

# SWANA



## Join SWANA

SWANA, the Solid Waste Association of North America, is a membership organization with over 9,500 Members and 45 Chapters, representing solid waste professionals in both the public and private sector. Our member's are committed to advancing from solid waste management to resource management through their shared emphasis on education, advocacy and research. 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](mailto: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](mailto: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 \$250 re-certification fee (not included in the cost of the course). If you are taking the course for re-certification, you must pay the \$250 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 \$250 for members and \$400 for non-members. Please call SWANA for details at 1-800-GO-SWANA (467-9262) or send e-mail to [certification@swana.org](mailto:certification@swana.org).



**MOLO Course**  
**April 10—13, 2018**  
**Embassy Suites**  
**Monterey Bay Seaside**  
**1441 Canyon Del Rey,**  
**Seaside, CA 93955**

**Hotel Direct: (831) 393-1115**  
**Fax: (831) 899-1928**

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:** \$212  
 **New Corporate:** \$398  **Small Business:** \$281  **Student:** \$0  **Retired:** \$78  **Young Professional:** \$100 \$ \_\_\_\_\_

	Training Course	Certification Testing (Fri)	Both Training & Certification	
<b>Discounted Rates (California Residents)</b>				
<input type="checkbox"/> Members	<input type="checkbox"/> \$949	<input type="checkbox"/> \$250	<input type="checkbox"/> \$1,199	\$ _____
<input type="checkbox"/> Non-Members	<input type="checkbox"/> \$1,299	<input type="checkbox"/> \$400	<input type="checkbox"/> \$1,699	\$ _____

*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"/> \$999	<input type="checkbox"/> \$250	<input type="checkbox"/> \$1,249	\$ _____
<input type="checkbox"/> Non-Members (Non-CA)	<input type="checkbox"/> \$1,399	<input type="checkbox"/> \$400	<input type="checkbox"/> \$1,799	\$ _____
<input type="checkbox"/> Re-Certification Fee		<input type="checkbox"/> \$250		\$ _____
<b>TOTAL DUE</b>				\$ _____

**Certification.** In order to be considered for certification, you must fill out an application.. You may download the certification application at <https://swana.org/Certification/CertificationInformation/CertificationForms.aspx>, or they will be available at the class.

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

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

(Gold Rush Chapter Fed Tax ID # is 68-0014563, if a W-9 is needed, please email [jmoore@scsengineers.com](mailto:jmoore@scsengineers.com))

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 training courses 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 training course. **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 \_\_\_\_\_