

EQUIPMENT OPERATOR SAFETY

October 3-8, 2010



Training Syllabus



William Penn Mott Jr. Training Center



Memorandum

Date: September 23, 2010
To: Supervisor
From: William Penn Mott Jr. Training Center
Department of Parks and Recreation
Subject: Employee Attendance at Formal Training

An employee from your office will soon be attending the formal training program described in the attached. Please insure that the employee is fully prepared to attend the session and that the groundwork is laid for the employee's implementation of the training upon returning to work.

You can assist with capturing the full value of the training by taking the following steps:

Prior to Training

1. Make sure that **specific** employee needs are identified and, if necessary, called immediately to the attention of the Training Coordinator.
2. Review with the employee the reason for the employee's attendance.
3. Review objectives and agenda with the employee.
4. Discuss objectives and performance expected after the training.

Immediately Following Attendance

1. Discuss what was learned and intended uses of the training.
2. Review the employee's assessment of the training program for its impact at the workplace and review the due date of the Post-Training Evaluation form.
3. Support the employee's use of the training at the work place.

Prior to Three Months Following Training

1. Employee after discussion with the supervisor login to the Employee Training Management System (ETMS) to complete the Post-Training Evaluation form.
2. Supervisor evaluates the effectiveness of the training on the employee's job performance and login to the ETMS to complete the Training Effectiveness Assessment form.

Thank you for your assistance in seeing that the full benefit of training is realized.



Tina L. Williams
Department Training Officer

Attachment

cc: Participant

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Mission Statement Training Section

***The mission of the Training Office is to improve
organizational and individual performance through
consulting, collaboration, training, and
development.***

MOTT TRAINING CENTER STAFF

Tina Williams Department Training Officer
Pat Bost Office Manager
Alex Peabody..... Acting Academy Coordinator
Chuck Combs Training Specialist
Sara M. Skinner Training Specialist
Dave Galanti Training Specialist
Karyn Lombard Training Specialist
Matt Cardinet Cadet Training Officer
Dan Kraft..... Cadet Training Officer
Pamela Yaeger Assistant Program Coordinator
Bill Spencer..... Assistant Program Coordinator
Edith Alhambra Assistant Program Coordinator
Eric Marks..... Program Assistant

THE MISSION

of the California State Parks is to provide for the health, inspiration, and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high quality outdoor recreation.



FORMAL TRAINING GUIDELINES

Welcome to formal training, an essential component in your career development.

Since 1969, our Department has been providing a continuously changing number of diverse training programs at its main training facility, the William Penn Mott Jr. Training Center and other locations including Marconi Conference Center. The Department strives to enhance your learning and job performance with formal training of the highest quality.

Our Department's dedication to training is only one aspect of its commitment to you and to the public. This commitment is costly and represents an important investment in you and your career. You and the Department realize a return on that investment by your positive participation in formal training itself and post training follow-through.

The program you will be participating in is described in this training syllabus, which outlines what you can expect from this training and what is expected of you. This syllabus details what you should do before you leave for training; what to do when you arrive; what you will be doing while in training; and, importantly, what you should be able to do when you return to your work site. Specifically:

1. **SYLLABUS:** The syllabus is now accessible on the Employee Training Management System (ETMS). You should print a copy of the syllabus to bring with you to class. Your copy of this syllabus is an important part of your training experience and should be brought with you to training. Read it before you arrive and review it following the program along with material you received at training.
2. **PRE-TRAINING ASSIGNMENTS:** Your completion of pre-training assignments is essential to the success of your training. You are responsible for all reading assignments in preparation for classroom sessions. Time will be provided during working hours to accomplish any assignments which involve either individual or group efforts and resources. (Pre-training assignments are listed in the "Training Attendance Requirements" section.)
3. **TRAVEL:** Arrange your travel to and from the training through your District or Office. (No reimbursement for travel expense - including per diem costs - will be

approved for travel not specifically authorized in advance by the District Superintendent.) Individuals may claim reimbursement for incidental expenses incurred as outlined in DAM 0410.6. The Mott Training Center does not have the capability to provide transportation to/from Monterey Airport.

The cost of your travel (air fair, mileage, rental car, etc.) is paid by your District or Office **to** and **from** the location of the training.

4. **HOUSING:** Housing will be assigned to you on a shared-room basis and will be available from 3:00 p.m. on the date of arrival to 12:00 noon on the date of departure. The Department provides your room and board expenses at the Mott Training Center only. No per diem allowance will be authorized for living off-grounds. This does not preclude living off-grounds at your own expense. Please advise the Department Training Officer no later than one week before your scheduled arrival if you plan to live off-grounds. No animals are permitted in Asilomar housing. In the event of an emergency, staff must know your room assignment, therefore, you may not switch rooms without staff approval. Overnight guests are not allowed in the buildings unless registered beforehand at the front desk in Asilomar's Administration Building. Quiet hour for lodge living areas is 10:00 p.m.

Please Note: You may be assigned a room at a motel while attending training. If so you may be asked to present a valid credit or debit card while checking in to your room. Many motels require a credit card to cover charges incurred such as telephone calls, damages to rooms and/or furnishings, fees to clean rooms that have been smoked in that are not designated as smoking rooms, etc. Please be prepared to handle this appropriately.

5. **ENROLLMENT OR HOUSING CANCELLATION POLICY:** To cancel participation in a course, the participant must have their District Superintendent or Section/Office Manager send an email to the Training Specialist assigned to the course requesting to remove the participant. If you do not need lodging or must change or cancel your reservation for lodging, you must contact the Mott Training Center or Training Specialist assigned to the course at least 72 hours prior to your date of arrival. Lodging, registration, and associated fees will be charged to the employee's District or Section/Office if a training cancellation is received with less than 72 hours notice.

The Mott Training Center is committed to ensuring that the reservation that has been made for you is accurate and needed.

6. **OFF-GROUNDS ACCOMMODATIONS:** When authorized to stay off-grounds by the Department Training Officer, the Mott Training Center will pickup the cost of your room and meals at the current DPR Asilomar rate. If you stay off grounds and

have meals on grounds, the Mott Training Center will authorize only what the Department pays Asilomar for lodging.

7. MEALS: Meals will be provided, semi-cafeteria style, from dinner on the date of arrival through lunch on the date of departure. Meals will be served at 7:15 a.m. for breakfast, 12:00 noon for lunch, and 6:00 p.m. for dinner. Hot or box lunches may be provided on some days. If you require a special diet, notify the Asilomar Chef at 831-372-8016 no later than one week before your scheduled arrival.

In order to assist participants with limited mobility, Asilomar provides a shuttle to and from the dining hall. Please contact either Asilomar staff upon check in, or Mott Training Center staff upon your arrival, for instructions on arranging a transport.

8. CLOTHING: Field uniforms as found in "Description of Required Field Uniforms", DOM Chapter 2300, Uniform Handbooks, not including optional items, will be worn daily by all uniformed employees during formal training sessions **unless otherwise specified in the Program Attendance Checklist**. Non-uniformed employees shall wear professional business attire.

Because we are on the conference grounds with many other groups, and the image we project as State Park employees is important not only during working hours but off duty hours as well, your informal sportswear should be appropriate.

9. ROOM SAFES: Two safes have been installed in each of the lodge rooms used by the Mott Training Center (Live Oak, Tree Tops, and Deer Lodge). These safes are a type that allows the user to input their own combination of numbers to facilitate opening and closing. The Mott Training Center has a master key for emergency entry. Safes are to be left in the open position when checking out of your room.
10. WEAPONS: Weapons are permitted in rooms under the following conditions. Authorized firearms and magazines stored while at the Mott Training Center shall be in a safe condition and stored in one of the following locations: your room safe in Live Oak, Tree Tops, or Deer Lodge, one of the Mott Training Center's safes in the Whitehead Room or secured in your vehicle.
11. ALCOHOLIC BEVERAGES: Participants shall not possess or consume alcoholic beverages in common areas (living room) while on the Asilomar Conference Grounds unless provided and hosted by Concessionaire ARAMARK.
12. SMOKING: Smoking is not permitted in the Mott Training Center or in any lodge or guest room on the Asilomar Conference Grounds.
13. TRAINING CENTER: The Mott Training Center is located on Asilomar Conference Grounds, part of Asilomar State Beach. The Conference Grounds are operated for our Department by a concessionaire, and all lodging and food services are provided to us by employees of the concessionaire. Constant efforts are made to

maintain a sound, harmonious working relationship between the Department and concessionaire. None of us can expect preferential treatment for any reason and, as a departmental employee, you will be expected to join in our continuing effort toward an effective relationship with each Asilomar concession staff member. On occasion, non-departmental groups may be staying in the same lodges. It is imperative that you represent the Department well on and off duty.

14. **REGISTRATION:** When you arrive at Asilomar Conference Grounds, go directly to the front desk at the Asilomar Administration Building for your room key and dining room ticket. If you require vegetarian meals, notify the front desk representative and your meal ticket will be marked accordingly.
15. **COURSE LEADERS:** The formal training you will attend is developed and, for the most part, conducted by experienced State Park employees in field and staff positions. Some courses will be conducted by qualified instructors from other agencies and educational institutions. Your course leaders have proven their ability and knowledge in their profession, and provide a level of expertise difficult to match.
16. **TRAINING SECTION STAFF:** Chuck Combs is your Training Specialist and has been assigned the responsibility for your training group. The staff member usually serves as a Course Leader as well as a Coordinator. During the program, you may be asked to assist Training Section Staff in the logistics of your training program (organizing field trip transportation, supervising classroom breaks, etc.). Training Section Staff will do all within their power to make your training experience pleasant and meaningful.
17. **TRAINING MATERIALS:** May be made available to you at both your unit and the Mott Training Center. Handout materials issued at your unit should be brought to training for possible use. A conference binder or notebook will be issued to you at the training session for note taking and convenience in handling materials. Copies of DAM and DOM will be available to you for self-study. Bring your own pens and pencils.
18. **ATTENDANCE:** Regular attendance is a critical course requirement and your participation is important to the success of this training. All absences, except those of an emergency nature, must be approved in advance by the Training Specialist.
19. **COLLEGE CREDIT:** Most training programs are accredited by Kentucky Technical and Community College for lower division credit. If you successfully complete an accredited program, you will receive either a letter grade or a credit/no-credit designation.
20. **MPC STUDENT ID:** **If you have filled out an MPC application before, you have already been issued a student ID number to use in lieu of your SSN on future applications. You can obtain your MPC ID number by going to their secure website and providing your SSN number (no name required) and birthdate.**

<https://autobahn.mpc.edu/scripts/autobahn.exe/Execute?Application=WebReq&Program=REPORT-SR-FIND-SSN>

Newcomers to training will still need to provide their SSN on the first MPC application only, after which a student ID number will be assigned and available at the web address above within a few weeks of the program's conclusion. You can store your MPC ID numbers in your ETMS Profile for future reference.

21. **VEHICLES:** All vehicles should be parked in the lots adjacent to the Mott Training Center. Any questions regarding use of a State vehicle while at the Mott Training Center should be discussed with your supervisor prior to your departure for training, or with your Program Coordinator while at the Mott Training Center.
22. **BICYCLES:** If you bring your bicycle, store it in the bicycle shed next to the Mott Training Center. Bicycles may not be brought into any building nor chained to lamp posts, trees, etc. The Mott Training Center has a limited number of bicycles available for your use. Prior to your use, you are required to complete a safety inspection and sign a waiver which is posted in the bicycle shed.
23. **MAIL:** Mail forwarded to you during your time at the Center should be addressed to you in care of:

Department of Parks and Recreation
WILLIAM PENN MOTT JR. TRAINING CENTER
P. O. Box 699, Pacific Grove, CA 93950
24. **CELL PHONES:** As a courtesy to your fellow participants and course leaders ensure that your cell phone is turned off during classes. Participants should not be receiving or making cell phone calls during class time. Please limit those calls to your breaks.
25. **FAX:** The Mott Training Center's FAX number is (831) 649-2824.
26. **TELEPHONE:** Limit phone calls during classroom hours to urgent business or emergencies. Anyone wishing to contact you by telephone during working hours should call the Center at (831) 649-2954. Calls after 5:00 p.m. or during weekends should be made to (831) 372-8016, Asilomar Conference Grounds, and the caller should tell the switchboard operator you are with a California State Parks training group. **Please Note: There are no longer pay telephones outside of the Mott Training Center. There are pay telephones located at the Asilomar Administration Building.**
27. **LAUNDRY AND DRY CLEANING:** May be taken care of by you at one of several local establishments.
28. **RECREATION:** Facilities available on grounds include a heated swimming pool, ping-pong and pool tables, and a volleyball court. The Monterey area offers

horseback riding, golf, tennis, racquetball, deep sea fishing, and many historical landmarks and scenic sights to explore.

29. POST-TRAINING ASSIGNMENTS: In connection with formal training are to be completed under the direction of your supervisor. See "Program Attendance Requirements" in this syllabus.
30. COFFEE BREAK REFRESHMENTS: Will be available throughout each session. You will be asked to contribute to the "Hospitality Fund" to defray expenses. Please bring your own coffee cup.

PROGRAM ATTENDANCE CHECKLIST

To assist you in your preparation for formal training session at the William Penn Mott Jr. Training Center the following list is provided:

- _____ 1. Read and understand the Equipment Operator Safety program syllabus prior to your arrival at the Mott Training Center.
- _____ 2. Complete the enclosed pre-training assignment.
 - Discuss the Equipment Operator Safety program with your supervisor. What specific changes in your abilities and performance are expected to result from your attending this training? Be prepared to present your expectations during the orientation session in the class.
 - Discuss the projects you will be assigned in the next twelve months which will utilize the skills developed during the training program.
- _____ 3. Arrange your travel through your District Office/Section.
- _____ 4. Remember to bring the following with you to training:
 - Program syllabus, study guide and all pre-training assignments.
 - Personal safety equipment (eye, ear, head, and hand protection).
 - Coveralls or appropriate work clothing and sturdy work boots.
 - Proper field uniform (review Uniform Handbook).
 - Coffee cup, pens, pencils.

POST-TRAINING ASSIGNMENT

Prior to ninety days after the completion of this program, the employee and his/her supervisor should sit down and discuss the impact and assess the effectiveness this program has had on the employee. Then both the supervisor and employee should login to the Employee Training Management System (ETMS) and complete the Post-Training Evaluation form (an email will be sent to both employee and supervisor notifying them that the evaluation needs to be completed).

The post-training evaluation process is intended to provide a bridge between classroom instruction and the on-the-job application of training. The information obtained through this process will assist the training participant, supervisor, and Mott Training Center in providing a return on the investment the Department has on training.

EQUIPMENT OPERATOR SAFETY – A G E N D A – October 3-8, 2010

Instructors: Dr. Steve Greene, Dr. David Wilder, Dr. Don Webb, Jr.
Assistant Program Coordinator: Chad Rowan

**Sunday
October 3**

1500- REGISTRATION: *Check in at the Asilomar Administration Building.* All

Special Notice: This program will be conducted at the Mott Training Center Shop Annex, 2211 Garden Road, Building C, Monterey, California. Vans are available to transport you to and from the Shop Annex and will leave the Mott Training Center promptly at 0800 daily and return at 1700.

Non residential attendees should report directly to the “Annex”. Please park on Garden Road. The class is in shop “C” at the end of the driveway behind the CALFIRE/STATE PARKS offices.

**Monday
October 4**

0830-0930 Orientation/Registration/Expectations Combs
0930-1200 Pre-Operation Inspections Greene/Wilder/Webb
1200-1300 *Lunch*
1300-1630 Pre-Operation Inspections All
(Walkthrough at Annex)

**Tuesday
October 5**

0830-1200 Pre-Operation Inspections and Safe Greene/Wilder/Webb
Operation of Various Equipment (Annex)
1200-1300 *Lunch*
1300-1330 Drive to Ft. Ord Facility All
1330-1630 Pre-Operation Inspections and Safe All
Operation of Various Equipment
(Lab Practical at Ft. Ord)

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Wednesday

October 6

0830-1200	Pre-Operation Inspections and Safe Operation of Various Equipment (Annex)	Greene/Wilder/Webb
1200-1300	<i>Lunch</i>	
1300-1330	Drive to Ft. Ord Facility	All
1330-1630	Pre-Operation Inspections and Safe Operation of Various Equipment (Lab Practical at Ft. Ord)	All

Thursday

October 7

0830-1200	Pre-Operation Inspections and Safe Operation of Various Equipment (Annex)	Greene/Wilder/Webb
1200-1300	<i>Lunch</i>	
1300-1330	Drive to Ft. Ord Facility	All
1330-1630	Pre-Operation Inspections and Safe Operation of Various Equipment (Lab Practical at Ft. Ord)	All

Friday

October 8

0830-1200	Pre-Operation Inspections of Various Equipment (Annex)	Greene/Wilder/Webb
1200-1230	Program Summary and Evaluation	Combs
1230-	<i>Lunch and Depart</i>	



HEAVY EQUIPMENT OPERATOR SAFETY SYLLABUS

COURSE DESCRIPTION: This course will examine the hazards and safety concerns associated with the operation of heavy equipment and the steps required to minimize them. Topics include an in-depth examination of the dangers of heavy equipment operations, Safety issues for bulldozers, backhoes, excavators, articulated front end loaders, skid steer loaders, graders, farm tractors, utility vehicles, heavy dump trucks, bucket trucks, snow removal equipment pre-shift inspections, ground based workers, highway work zone safety, trenching and shoring, fire safety, fall protection, jump starting, loading, unloading and transportation, job hazard analysis, first aid. Participants will demonstrate proper pre-shift inspection and safe operating skills in the field on equipment commonly found in their respective work environment. Participants will gain insights on how to establish practices and procedures that provide a framework for compliance and actions they should incorporate into their day to day operations.

**PREREQUISITES/
COREQUISITES:**

None

TEXTBOOK:

Provided

**DAYS TIME AND
MEETING PLACE:**

William Penn Mott Jr. Training Center Annex
0830-1630 Monday thru Friday

INSTRUCTORS:

Prof. Steve Greene, Prof. David Wilder, Dr. Don Webb, Jr.

**KENTUCKY SAFETY
INSTITUTE DIRECTOR:
DEPT. CHAIR:**

Dr. Don Webb, Jr. Phone (606) 242-2145 ext. 50832
Vic Adams Phone (606) 242-2145 ext. 50416

COURSE OBJECTIVES: Upon completion of this course, students should be able to:

- Define hazards associated with heavy equipment operations.
- Discuss the importance of conducting a comprehensive pre-shift inspection before operating any piece of equipment.
- Understand lock out tag out procedures and how to de-energize a piece of equipment to insure its inability to be started or moved during lockout tag out.
- Be able to complete a job hazard analysis/jsa, before operations both for operators and ground based workers.
- Demonstrate pre-shift inspections on a variety of heavy equipment
- Demonstrate safe operating procedures in the field

Course Communications

Kentucky Safety-Training Institute:

- Don Webb, Jr. Ph.D, Director
- Don.Webb@kctcs.edu
- 606/248-0832 (office)
- Cell (606)499-0010

Also, remember to check the KSTI Website or the KSTI Facebook Page often for course materials and news.

FORMAT: This will be a fast-paced, intensive, interesting class. The class is very interactive. Training sessions will be via a combination of classroom presentation, state of the art simulators and hands on field exercises.

PARTICIPATION: Your input into class discussions is a valuable source of learning for both you and your classmates. Students are expected to contribute to and keep abreast of class discussions.

TOPICS:

- A. Safety Basics
- B. Job Hazard Analysis
- C. Fire Safety
- D. Lockout Tagout
- E. Pre-Shift Inspection
- F. Heavy Truck Safety
- G. Farm Tractor/Mower
- H. Ground Based Worker Safety
- I. Highway Work Zone Safety
- J. Heavy Equipment Safety (Graders, Dozers, Articulated Front End Loaders, Backhoes, Excavators)
- K. Utility Vehicle Safety

- L. Skid Steer Safety
- M. Emergency Preparedness
- N. Jump Starting Heavy Equipment
- O. Loading, Unloading and Transporting Heavy Equipment
- P. Trenching and Shoring

ATTENDANCE:

Attendance and class participation are critical and mandatory to success. It will be your responsibility to be active in discussing questions or other issues that arise during the class discussions, and for attempting to understand the issues explained in the course. You will be expected to demonstrate through discussion and practical application field exercises that you have understood the textbook, lectures, course materials and discussion, and can apply that understanding and knowledge to practical problems and job related situations.



location map for
WILLIAM PENN MOTT JR. TRAINING CENTER
837 ASILOMAR BLVD.
PACIFIC GROVE, CALIFORNIA 93950



