

CCC Oil Spill Response Training Overview and Groundrules

Overview

Welcome- For the next four days, we will be training you how to safely and effectively respond to clean up oil spills.

This training is important to protect the public health and safety and the environment.

You will be joining an elite group of the best oil spill responders in the world.

Oil Spill Workers are considered hazardous waste workers by the Occupational Safety and Health Administration. Therefore, we teach you how to be hazardous waste workers with a focus on crude oil.

The regulations require at least 24 hours of training for the work we perform. The CCC does this in 32 hours.

If there is an oil spill and we are called we will respond anywhere in California, and possibly outside the state.

While we do our absolute best to ensure that we work in a safe and healthy environment, all activities we perform have the potential of illness or injury from physical or chemical hazards. There are no guarantees.

Ground Rules

We will be spending a lot of time together over the next four days. Everyone needs to be patient and considerate of each other.

Anyone who is unable, unwilling or does not want to participate in the class for any reason will not be required to stay in the class.

People who are disruptive or unruly will be removed from the class (attitude counts).

Horseplay will make you history in a hurry.

No hats or sunglasses in class.

If you start falling asleep, please get up and stand at the back of the class until ready to sit down. If we have to keep waking you up you should be in bed and not here.

We will try to have breaks every hour or so.

Passing the class requires attendance, participation and passing the exam. Don't worry, almost everyone passes the exam.

Bring something to write with and write on every day.

While you are in the classroom wear your uniform. Bring full grade gear every day, including hard hat, eye protection and ear protection. It would help to bring extra underclothes along.

All written material handed out, except for the final exam is yours to keep. Spend time after class going over the material.

Please help out those people who do not understand English well or have difficulty reading.

If you don't understand something please ask questions, either during the class or breaks. If it is not clear to you, it may not be clear to other people in the class.

This is serious stuff, but we will have some fun too. We want you to enjoy learning.

The
California Conservation
Corps
Oil Spill Responder
Program
Guide

I. The Goal of The CCC

Developing Youth Through Work, Service, Empowerment And Education.

II. The Mission of the CCC

The mission of the California Conservation Corps is to provide meaningful work and educational opportunities to assist youth in becoming more employable while protecting and enhancing California's Natural and Human Resources.

III. The Role Of The CCC Oil Spill Responder

The role of the CCC oil spill responder is to safely and competently respond to, and participate in, oil spill recovery operations within the levels of training, resources and capabilities of the Post Emergency Response Worker as described in both the Federal and California Occupational Health and Safety Administration's regulations 29 CAR (Code of Federal Regulations) 1910.120 and Title 8 CCR (California Code of Regulations) Section 5192.

IV. Program Guide Intent

This program guide is intended to assist the California Conservation Corps to conduct essential training for a minimum of two hundred Corpsmembers (CMs). Once trained, these Corpsmembers form a ready response task force in the event of a petrochemical release occurring anywhere in the State of California.

COURSE INTRODUCTION

The program guide contains course objectives, a course outline and the student performance objectives for a 32 hour training program.

During an oil spill members of the CCC Oil Spill Team are considered **Post Emergency Response Workers** in Section Q of the **California and Federal Occupational Safety and Health Administrations' Hazardous Waste Operations and Emergency Response (HAZWOPER)** regulations. The Post Emergency Response Worker is required to be trained as a hazardous waste worker as defined in Sections B-P of the HAZWOPER regulations. The type of activities that the CCC is expected to perform at an oil spill and the amount of exposure to chemicals the determine the level of training.

The content and length of the CCC Oil Spill Responder training program are found in the HAZWOPER regulations for the **Regular Site Worker**. The **Regular Site Worker** is a hazardous waste worker limited in their capabilities by the type of Personal Protective Equipment they can wear and functions they can perform.

While the regulations require the **Regular Site Worker** training to consist of at least **24 hours of classroom instruction and eight hours of "on site supervision"** (On the Job Training [OJT]), the CCC expands the classroom portion to 32 hours. The OJT is acquired on the grade.

The CCC Oil Spill Responder course centers upon the delivery of measurable technical and manipulative skills arranged in a manner conducive with both simple to complex instructional order and student interest. This is accomplished through a course design whereby individual instructional elements are linked directly to the student participation and various interactive learning processes. The student performance objectives encompass the need for responder health & safety as well as the technological specific skills necessary to implement

efficient and effective oil spill recovery measures.

COURSE OBJECTIVES:

TO...

1. Provide the Corpsmembers with a comprehension of the need for training and an understanding of the course content as well as the student performance objectives.
2. Familiarize the Corpsmembers with the basic chemistry of petrochemicals and various consideration regarding petrochemical spill behavior.
3. Provide the Corpsmembers with a comprehension of regulatory compliance needs and an understanding of various occupational safety and health and environmental protective regulatory frame works.
4. Prepare the Corpsmembers for anticipated occupational working conditions and hazard potentials associated with or influenced by the presence of petrochemicals in the work environment.
5. Familiarize the Corpsmembers with various health and safety control measures employed at oil spill sites and the safe work practices necessary to ensure worker safety.
6. Familiarize the Corpsmembers with various pieces of oil spill recovery equipment and enable the implementation and utilization of oil spill recovery tools and techniques associated with oil spill clean-up activities at the Post Emergency Response and Regular Site Worker level of the applicable Hazardous Waste Operations and Emergency Response OSHA regulations.
7. Familiarize the Corpsmembers with Incident Command System

management organizational structural elements, positions, roles, duties and responsibilities associated with petrochemical release work.

8. Familiarize the Corpsmembers with various environmental and biological influences associated with petrochemicals release recovery work pursuant to wildlife management, geologic and geographic features, soil and water considerations as well as environmental contaminant containment and decontamination.
9. Enable the Corpsmembers the practice and demonstrate the technical and manipulative skills necessary to accomplish efficient and effective petrochemical spill recovery.

Course Content:	32 Hours
A.	
B. Orientation and Administration	1:00
C. Workplace Occupational Safety Management	2:00
D. Regulatory Overview	1:00
E. Petrochemical Chemistry	1:00
F. Petrochemical Toxicology	1:00
G. Hazard Communications	1:00
H. The Incident Command System	1:00
I. Personal Protective Equipment	2:00
J. Site Control	2:00
K. Petrochemical Spill Containment and Recovery	3:00
L. Safe Spill Site Work Practices	1:00
M. Petrochemical Decontamination	3:00
N. Shoreline Characteristics	2:00
O. Wildlife Management	:30
P. Site Safety Plan Interpretation	1:30
Q. Subject Matter Review	3:00
R. Final Written Examination	1:00
S. Field Exercise	3:00

T.	Critique and Termination Procedures	:30
U.	Course Closure	:30

COURSE OUTLINE AND SCHEDULE (Subject to Change)

Session I

0800-0900	Orientation and Administration
0900-1100	Workplace Occupational Safety Management
1100-1200	Regulatory Overview
1200-1300	Lunch
1300-1400	Petrochemical Chemistry
1400-1500	Petrochemical Toxicology
1500-1700	Hazard Communications

Session II

0800-0900	The Incident Command System
0900-1100	Personal Protective Equipment
1100-1200	Site Control
1200-1300	Lunch
1300-1400	Site Control Exercise
1400-1700	Petrochemical Spill Containment and Recovery

Session III

0800-0900	Safe Site Work Practices
0900-1200	Petrochemical Decontamination
1200-1300	Lunch
1300-1500	Shoreline Characteristics
1500-1530	Wildlife Management
1530-1700	Site Safety Plan Interpretation

Session IV

0800-1100	Subject Matter Review
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1100-1200	Final Written Examination
1200-1300	Lunch
1300-1600	Field Exercise
1600-1630	Critique And Termination Procedures
1630-1700	Course Closure

PERFORMANCES

Student Performance Objectives:

1. Interpret the CCC's role in oil spill response.
2. Distinguish the intent of the course.
3. Distinguish various course content elements.
4. Analyze the need for oil spill response training.
5. Interpret the application of the **CCC Health and Safety Handbook**.
6. Distinguish CCC Corpsmember and staff roles and responsibilities in the **Injury and Illness Prevention Program**.
7. Distinguish various unsafe conditions in the workplace.
8. Distinguish various safe and unsafe work practices.
9. Contrast the relationship of **Administrative controls, Engineering controls and Personal Protective Equipment** to employee health and safety.
10. Distinguish various occupational safety and environmental protection regulatory frameworks.
11. Interpret various elements of the HAZWOPER worker protection standard.
12. Analyze the role of the Post Emergency Response Worker.
13. Distinguish various components of the **Incident Command System (ICS)**.
14. Interpret the California oil spill ICS organizational structure.
15. Distinguish various ICS functional groups to which Corpsmembers may be assigned.
16. Distinguish **general site safety hazards**.
17. Distinguish occupational **noise hazards**.
18. Distinguish **thermal stress hazards**.
19. Distinguish **back injury and lifting hazards**.
20. Distinguish **confined space hazards**.

21. Distinguish various **slip, trip and fall hazards**.
22. Distinguish various potential **physical hazards**.
23. Distinguish various **biological hazards**.
24. Interpret the purpose of the **Hazard Communication Standard**.
25. Interpret key **Material Safety Data Sheet** information.
26. Distinguish the **U.S. Department of Transportation Hazard Classes**.
27. Analyze the origin of Petrochemicals.
28. Distinguish various chemical constituents of crude oil.
29. Analyze the **toxicity** of crude oil.
30. Differentiate the toxicologic **routes of entry**.
31. Interpret the toxicologic **Dose/Response relationship**.
32. Interpret various **Permissible Exposure Limits** and their applicability.
33. Distinguish various types of **monitoring and direct reading instruments**.
34. Compare the application of monitoring instrumentation to employee protection.
35. Distinguish when respiratory protective measures are necessary.
36. Distinguish various types of **respiratory protection**.
37. Distinguish when personal protective clothing ensembles are necessary.
38. Distinguish various types and levels of protective clothing ensembles.
39. Analyze the purpose of **decontamination**.
40. Distinguish various personnel, equipment, and environmental decontamination methods.
41. Demonstrate the ability to select, inspect **don**, utilize, decontaminate, **doff** and dispose of a **Modified Level "C"** protective clothing ensemble.
42. Distinguish various wild bird handling considerations.
43. Distinguish various marine mammal handling considerations.
44. Distinguish animal handling disease transmission considerations.
45. Interpret the 15 primary **Site Safety Plan** elements.
46. Interpret an incident specific Site Safety Plan.
47. Contrast various **shoreline types** and their geographic and terrain related hazards.
48. Demonstrate the use of available **oil spill recovery and clean-up equipment**.

49. Demonstrate the application of oil spill containment, recovery, and clean-up techniques.
50. Demonstrate oil spill response incident termination procedures.
51. Demonstrate the retention of basic first aid skills.