

ICWUC CENTER FOR WORKER HEALTH AND SAFETY EDUCATION

PLUME MODELING

Session # 1211

Date: January 28th thru February 1st 2013

Lead: Tom Frazee

- 8:45 -9:00 Sign in/ Student /Trainer introductions
• Overview of what will take place this week
- 9:00 -10:15 EMERGENCY RESPONSE GUIDEBOOK:
• Review of DOT Guidebook
• Small group activity
- 10:30 – 11:30 ALPHABET SOUP
• Defining Acronyms
• Small Group Activity
- 11:30 – 12:30 LUNCH
- 12:30 – 4:30 Introduction to the CAMEO software
- CAMEO CHEMICALS
- *Using Cameo menus
* Using Cameo Submenus
*Explanation of Databases

DAY TWO - TUESDAY

8:00- 9:00 Review of the CAMEO software

9:00 – 10:00 OTHER CAPABILITIES OF THE SOFTWARE

- Tier II Submit

10:15 – 11:30 USING AND COMPARING RESOURCES

- Identifying online resources
- Identifying strengths and weaknesses of each resource

11:30 – 12:30 LUNCH

12:30 – 1:30 TOXICOLOGY

- Toxicity of Chemicals
- Basis Terminology

1:30 – 4:30 INTRODUCTION TO MARPLOT

- Explanation of Marplot Menus
- Explanation of Marplot Base maps

DAY 3: WEDNESDAY

8:00 – 12:00 INTRODUCTION TO MARPLOT

- Using Marplot Menus
- Using Marplot Submenus

12:00 – 1:00 LUNCH

1:00 – 2:00 AEGL LIMITS & LEVELS OF CONCERN

- Explanation of Levels of Concern
- Small group Activity

2:00 – 4:30 INTRODUCTION TO ALOHA

- Limitations of ALOHA
- Air Dispersion Modeling

Day four - THURSDAY

8:00- 10:00 INTRODUCTION TO ALOHA

- Using ALOHA Menus
- Inputting ALOHA Data
- Generating a plume

10:15- 12:00 USING THE SOFTWARE (SCENARIOS)

- UTILIZING ALOHA
- UTILIZING MARPLOT
- UTILIZING CAMEO

12:00-- 1:00 LUNCH

1:00 – 4:00 USING THE SOFTWARE (SCENARIOS)

- UTILIZING ALOHA
- UTILIZING MARPLOT
- UTILIZING CAMEO

DAY 5 FRIDAY

USING THE SOFTWARE (SCENARIOS)

- UTILIZING ALOHA
- UTILIZING MARPLOT
- UTILIZING CAMEO

: STUDENT CLASS OVERVIEW & FOCUS GROUP

- PROBLEMS ENCOUNTERED THROUGH THE WEEK
- WAYS TO IMPROVE THE COURSE
- COURSE EVALUATIONS
- WRAP UP
- CERTIFICATES

"SPILL DRILL" and "WORKING HAND IN GLOVE" VIDEOS

"Spill Drill" (Consists of 3 segments: "Spill Drill", "Dressed for Success" and "It's Everybody's Business")

This three part video program is designed to help spark discussion around hazardous waste and chemical emergency response issues. The aim of the program is to involve union members, family, friends, and other community members in a discussion that allows everyone to express their views and have those views respected. The video is designed so that after each segment, the video is stopped and a short discussion about that segment takes place using questions such as those provided in the discussion leader's manual.

"Working Hand in Glove"

This video is designed to trigger discussion on choosing the correct type of gloves for a particular chemical, routes of entry of chemicals into the body, limitations on use of company doctors to detect problems caused by workplace chemicals, and the importance of union involvement to improve workplace health and safety.

To order, complete the form below and send a check for \$10 per video payable to the ***International Chemical Workers Union Council*** to:

International Chemical Workers Union Council
Health & Safety Department
1655 West Market Street
Akron, Ohio 44313

Attention: video order request

Please send the videos marked below to:

Name:

Organization:

Address:

~ ***"Spill Drill"*** How many at \$10 per tape?

~ ***"Working Hand in Glove"*** How many at \$10 per tape?

Total amount enclosed payable to the ***"International Chemical Workers Union Council"***:

\$

How did you hear about this video?