

# 2010 INTERNATIONAL CLASS A FOAM AND CAFS ACADEMY

FEBRUARY 18-20, 2010 GLENDALE TRAINING FACILITY  
GLENDALE, ARIZONA

## Program Guide and Registration



Sponsored By:

Elkhart Brass  
Phos-Chek / ICL-PPLP  
Waterous Company

# Schedule At A Glance

## Thursday, February 18

Registration	7:00 am - 8:00 am
Opening Session	8:00 am - 9:30 am
Concurrent Seminars	10:15 am - 12:00 pm
Lunch and Demos	12:00 pm - 1:00 pm
Concurrent Seminars	1:00 pm - 2:45 pm
Concurrent Seminars	3:15 pm - 5:00 pm

## Friday, February 19

Roundtable– Manufacturers	8:00 am - 9:30 am
Concurrent Seminars	10:15 am - 12:00 pm
Lunch and Demos	12:00 pm - 1:00 pm
Concurrent Seminars	1:00 pm - 2:45 pm
Concurrent Seminars	3:15 pm - 5:00 pm

## Saturday, February 20

Roundtable– Successful Users	8:00 am - 9:30 am
Concurrent Seminars	10:15 am - 12:00 pm
Lunch and Demos	12:00 pm - 1:00 pm
Concurrent Seminars	1:00 pm - 2:45 pm

Glendale Regional Public Safety Training Center

11550 West Glendale Avenue

Glendale, AZ 85307

# 2010

# Academy Program

## Thursday, February 18

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7:00am to 8:00 am

### Registration

8:00 am to 9:30 am

### Opening Session

Welcome, Keynote, Speaker **Garry Briese**, Symposium Schedule and Housekeeping items

10:15 to noon; 1:00 pm to 2:45pm;  
3:15 pm to 5:00 pm

### Track Sessions

## Saturday, February 20

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8:00 am to 9:30 am

### Users Roundtable

Representatives from various fire departments using CAFS will discuss their operations and issues. They will also answer questions from attendees. Moderator: Chris Hecht.

10:15 to noon; 1:00 pm to 2:45pm;  
Track Sessions

## Friday, February 19

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8:00 am to 9:30 am

### Manufacturers Roundtable

Foam and CAFS manufacturer representatives will discuss what is new with their products and take questions from attendees. Moderator: Chris Hecht

10:15 to noon; 1:00 pm to 2:45pm;  
3:15 pm to 5:00 pm

### Track Sessions

## Tracks

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Students will follow one of four tracks:

**Basic (B):** Students new to foam

**Advanced (A):** Students already using foam and understand the basic principles. PPE and SCBA required for live fire.

**Admin/Chief (C):** Officers and Administrators who need to know how to effectively implement and use foam in their departments.

**Mechanics (M):** Technicians who service, diagnose and repair systems

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## Foam Properties (B)

Basic properties of class A foam. Topics include history of class A foam, how foam works and is made, different types of foam products, and the difference between Class A, Class B, and other products.

Led by **Vince Carter**,  
Instructors: **John Roads**, and **Lou Derosa**

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## Foam Concentrates (B)

In depth coverage of Class A foam concentrates. Topics include differences between concentrates, concentrate testing, purchasing, and concentrate storage and handling.

Led by **Fernando Hernandez**  
Instructors: **Guy Finn** and **Karen Powell**

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## Basic Foam Review (A)

This class will provide a review of basic foam properties, concentrates and aspirated and CAFS characteristics to give students a solid understanding before attending Advanced Tactical Classes. There will be a test.

Led by **Sam Scott**  
Instructor: **Mark Tracy**

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## Basic Foam for Technicians (M)

This class will cover basic Class A foam properties and operations to give technicians and understanding of how foam works, why it is used and common operator errors.

Led by **Bill Silva**  
Instructor **Bill Dunlap**

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## Basic Proportioner Theory (B)

This class will cover the basics of foam proportioning systems. Topics include basic proportioner theory, and the types of proportioners available and their operation.

Led by **Fernando Hernandez**  
Instructor: **Vince Carter**

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## Basic CAFS Theory (B)

This class will cover the basic operation of CAFS. Topics include basic CAFS theory and operation, basic CAFS components, and CAFS characteristics.

Led by **Vince Carter**  
Instructor **Fernando Hernandez**

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## Nozzles—Aspirating (B)

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This class will cover various types of nozzles available for both naturally aspirated and CAFS operations. Topics include aspirating nozzle theory, CAFS nozzle theory, and a discussion of nozzles currently available.

Led by **Fernando Hernandez**  
Instructor: **Vince Carter**

## Foam System Maintenance (M)

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This class will cover the regular maintenance and service needed for different proportioners and compressed air foam systems (CAFS).

Led by **Bill Silva**  
Instructors: **Mike Apadoca and Ray Frey**

## Vehicle Fire, Special Apps, Fire Investigation (A)

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This class will cover the use of both aspirated foam and CAFS during vehicle fire attacks. It will also cover special applications such as ladder pipes standpipes, sprinkler systems, etc. and how class A foam affects fire investigations.

Led by **Sam Scott**,  
Instructor: **Mark Tracy**

## Safety and Environment/ Integrating Foam Operations (B)

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This class will cover two topics. First, safety considerations when using Class A foam and CAFS, and environmental considerations. Second, guidelines and techniques to introduce and integrate foam operations into a FD.

Led by **Vince Carter**  
Instructor: **Fernando Hernandez**,

## Certification, Testing, and Fire Investigation (C)

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This class will cover two topics. First, certification and testing related to class A foam concentrates, proportioners and CAFS. Second, how class A foam affects fire investigations.

Led by **Lou Derosa**,  
Instructors: **Mark Tracy, Guy Finn and Karen Powell**

## Nozzles, Hose, Flows (A)

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This class will cover nozzles for both aspirated and CAFS operations and hose lays and configurations that work for foam. It will also cover typical flows for CAFS with various configurations and tactical objectives.

Led by **Mark Tracy**  
Instructor: **Sam Scott**

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## Proportioner Types and Components (M)

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This class will cover the various types of proportioners available and their components and operation,

Led by **Bill Dunlap**  
Instructor: **Bill Silva**

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## Structural Applications (A)

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This class will cover CAFS applications when performing exterior, transitional, and interior structural attacks.

Led by **Mark Tracy**  
Instructor: **Keith Klassen**

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## Customer Buy In (C)

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This class will cover information and techniques to sell the foam/CAFS concept to both you department members and to your community.

Led by **Lou Derosa**  
Instructors: **Homer Robertson**, and **Don Howard**

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## Writing Specifications for Foam/CAFSSystems (C/M)

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This class will cover the types of systems available and which system is best for specific tactical applications. The class will also provide tips and tricks to write an effective specification

Led by **Chris Hecht**  
Instructor: **Greg Geske**

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## CAFS Economics and Justification (C)

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This class will cover information on how to justify the purchase of CAFS as well as general cost estimates for budgeting. Grants and other funding programs will be covered as well.

Led by **Garry Briese**  
Instructors: **Homer Robertson** and **Don Howard**

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## Foam and CAFS Retrofits (M)

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This class will cover retrofits of both proportioners and CAFS. It will include determining if an apparatus is a retrofit candidate, choosing the proper system, and installation tips and tricks.

Led by **Bill Dunlap**  
Instructor: **Ray Frey**

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## Proportioner/CAFS Calibration and Troubleshooting (M)

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This class will cover calibration of proportioners, compressor system tuning, and troubleshooting proportioners and CAFS. The class will include both didactic classroom instruction and **hands on** troubleshooting.

Led by **Bill Dunlap**  
Instructors: **Ray Frey** and **Mike Apadoca**

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## CAFS Instructions in your FD (C)

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This class will cover the instruction needed to properly integrate CAFS into a fire department. It will include delivery instruction, train the trainer, instruction, new recruit instruction and recurrent department training.

Led by **Keith Klassen**

Instructors: **Lou Derosa** and **John Roads**

## Fireground Application for Chiefs (C)

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This class will cover foam/CAFS fire ground operations as they relate to officers in the incident command position. Topics include basic capabilities of foam/CAFS, assigning foam units on the ground, and coordination of foam units with water-only units.

Led by **Lou Derosa**

Instructors: **Greg Geske & Keith Klassen**

## WUI Applications (A)

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This class will cover aspirated and CAFS applications in the wildland-urban interface (WUI).

Led by **John Roads**

Instructor: **Lou Gildemister**

## Wildland Applications (A)

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This class will cover aspirated and CAFS applications for direct attack, direct exposure protection, and mop up operations in the wildland.

Led by **John Roads**

Instructor **Bill Dunlap** and **Lou Gildemister**



- Shortcut.Ink

# HANDS ON TRAINING

## Basic Field Exercises 1&2

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This class will begin with demos of various types of finished foam. It will provide hands-on instruction on proportioner operation, CAFS operation, aspirating nozzle operation and CAFS line operation.

**Helmets, eye protection, gloves and boots are required and must be provided by the student**

## Live Fire Parts 1 and 2

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This class will provide hands on experience in vehicle fire attack and interior and exterior structure attack.

**Full PPE and SCBA (NFPA compliant/ serviceable condition) must be provided by the student. No facial hair is permitted.**

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## About the Instructors

**Mike Apodaca**—EVT Summit Fire District, Flagstaff AZ

**Garry Briese**

**Vince Carter**—Division Chief, Reynolds FD, Asheville, NC; Waterous CAFS Instructor

**Lou Derosa**—Captain, Madison FD, Madison NJ; Waterous CAFS Instructor

**Bill Dunlap**—Captain, Summit Fire District, Flagstaff AZ; Waterous CAFS Instructor

**Guy Finn**—Technical Service Rep, ICL Performance Products LP

**Ray Frey**—Customer Service Manager, Waterous

**Gregg Geske**—Chief, Chanhassen FD, Chanhassen MN; Foam/CAFS Sales Manager, Waterous

**Lou Gildemeister**—Senior Tech Rep, ICL Performance Products LP

**Chris Hecht**—Chief, Sister Bay Liberty Grove FD, Sister Bay, WI; Waterous CAFS Instructor

**Fernando Hernandez**—Captain, Summit Fire District, Flagstaff AZ; Waterous CAFS Instructor

**Don Howard**—Chief, Summit Fire District, Flagstaff AZ

**Keith Klassen**—Captain, Summit Fire District, Flagstaff AZ; Waterous CAFS Instructional Program Manager

**Karen Powell**—Foam Marketing Manager, ICL Performance Products LP

**John Roads**—Chief, Caminos FD; Waterous CAFS Instructor

**Homer Robertson**—Captain in charge of the Fire Equipment Division, Fort Worth FD

**Sam Scott**—Chief, Forrest Bend FD, Webster TX; Waterous CAFS Instructor

**Bill Silva**—Engineer, Park City FD, Park City UT; Waterous CAFS Instructor

**Mark Tracy**—Firefighter, Haz Mat Tech and Fire Investigator, Flagstaff FD, Flagstaff, AZ; Waterous CAFS Instructor Coordinator

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Instructional Tracks: basic (B), Advanced (A), Admin/Chiefs (C), Mechanics (M)

	0800-930	0930-1015	1015-1200	1200-1300	1300-1445	1445-1515	1515-1700
Thurs	Opening Session	Break	1015-1200 Foam Properties B,C Foam Concentrates B,C Basic Foam Review A Basic Foam for Technitions M	1200-1300 Lunch Demos	1300-1445 Foam Concentrates B,C Foam Properties B,C Nozzles, Hose, Flows A Proportioner Types and Components M	1445-1515 Break	1515-1700 Basic Proportioner Theory B CAFS Finance, Budget, and Justification C Structural Applications A CAFS Types and Components M
Fri.	Roundtable - Manufacturers		1015-1200 Basic CAFS Theory B Int. Ext Customer Buy-in C Vehicle Fire, Special apps, Investigation A Foam System Maintenance M	1200-1300 Demos	1300-1445 Nozzles - Aspirating, CAFS B CAFS Instruction in your FD, Foam SOG's C Live Fire part 1 A Proportioner/CAFS Cal. and Troubleshooting didactic M	1445-1515	1515-1700 Safety and Environment, Integrating foam B Fireground Applications for Chiefs C Live Fire part 2 A Proportioner/CAFS Cal. And Troubleshooting hands on M
Sat.	Roundtable - Successful Users		1015-1200 Basic Field Exercises part 1 B Specing Foam and CAFS C,M Wildland Applications A	1200-1300 Demos	1300-1445 Basic Field Exercises part 2 B Certifications, Testing, Fire Investigation C WUI Applications A Foam and CAFS Retrofits M	1445-1515	1515-1700

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NOTE: Use one registration form per person. Please return the completed form, with payment to: Waterous Company, attention Helen Sherrod, 8557 N 78th Avenue, Peoria, AZ 85345. If paying by credit card, you may fax or email your registration to: 602-979-6949 (fax) or hesherrrod@waterousco.com.

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

AGENCY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP \_\_\_\_\_

WORK PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_ CELL: \_\_\_\_\_

TRACK (check one): (B) \_\_\_\_\_ (A) \_\_\_\_\_ (C) \_\_\_\_\_ (M) \_\_\_\_\_

REGISTRATION FEE: \$375.00 includes refreshments and lunch

PAYMENT INFO:

Enclosed is a check payable to Waterous Company

Enclosed is an official Purchase Order

Credit Card: circle one: MC VISA

Name on Card \_\_\_\_\_

Card Number \_\_\_\_\_ Exp Date \_\_\_\_\_

Cancellations must be made in writing and sent to Waterous no less than 30 days prior to Academy date. 60 to 30 days prior, 50% refund. Less than 30 days prior, no refund is possible.

**Hotel:** A special rate (\$140 per night) has been negotiated for conference attendees at the: Renaissance Glendale Hotel & Spa.

9495 West Coyotes Blvd

Glendale, AZ 85305

Tel 623-937-3700

Please contact the hotel directly. Use Discount Code **WATWATA**