

2012 INTERNATIONAL CLASS A FOAM AND CAFS ACADEMY

FEBRUARY 16-18 2012

GLENDALE REGIONAL PUBLIC SAFETY TRAINING CENTER
11550 W. Glendale Ave., Glendale, AZ 85307

Program Guide and Registration



Charter Sponsors
Elkhart Brass
Phos-Chek / ICL-PPLP
Waterous Company

Afoamacademy.com

Schedule At A Glance

Wednesday February 15

Registration—Marriott Residence Inn 4:00 pm—7:00 pm

Thursday, February 16

Registration 7:00 am - 8:00 am
Opening Session 8:00 am - 9:45 am
Concurrent Seminars 10:00 am - 11:45 pm
Lunch and Demos 11:45pm - 13:15 pm
Concurrent Seminars 13:15 pm - 15:00pm
Concurrent Seminars 15:15 pm - 17:00 pm

Friday, February 17

Roundtable— Manufacturers 8:00 am - 9:45 am
Concurrent Seminars 10:00 am - 11:45 pm
Lunch and Demos 11:45pm - 13:15 pm
Concurrent Seminars 13:15 pm - 15:00pm
Concurrent Seminars 15:15 pm - 17:00 pm

Saturday, February 18

Roundtable— Successful Users 8:00 am - 9:45 am
Concurrent Seminars 10:00 am - 11:45 pm
Lunch and Demos 11:45pm - 13:15 pm
Concurrent Seminars 13:15 pm - 15:00pm
EVT Testing, After Action Review 15:15 pm - 17:00 pm

Glendale Regional Public Safety Training Center
11550 West Glendale Avenue
Glendale. AZ 85307

2012 Academy Program

Thursday, February 16

7:00am to 8:00 am

Registration

8:00 am to 9:15 am

Opening Session

Welcome, Keynote, Speaker , Symposium Schedule and Housekeeping items

10:00 to 11:45; 13:15 to 15:00;
15:15 to 17:00

Track Sessions

Saturday, February 18

8:00 am to 9:45 am

Applications Roundtable

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

Vender Presentations

10:00 to 11:45; 13:15 to 15:00;

Track Sessions

15:00 to 17:00

EVT Testing-must register for test through EVT, www.evtcc.org; Deadline 9-27-11; Site # AZ21812

Friday, February 17

8:00 am to 9:45 am

Equipment Roundtable

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

Vender Presentations

10:00 to 11:45; 13:15 to 15:00;
15:15 to 17:00

Track Sessions

Tracks

Students will follow one of four tracks:

Basic (B): Students new to foam

Advanced (A): Students already using foam who 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.

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

Advanced EVT (AM): Experienced CAFS Technicians

2012

Academy Program

Basic Track

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.

Foam Concentrates (B)

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

Nozzles/Safety (B)

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.

Field Exercises-Nozzles (B)

This class will begin with demos of various types of finished foam. Hands on will include aspirating nozzle operation and CAFS line operation.

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

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.

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

Field Exercises-Panel Ops (B)

This class will provide hands-on instruction on proportioner operation, CAFS operation, and pump panel adjustments and troubleshooting

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

Field exercises-Applications (B)

This class will provide hands-on instruction on various foam application techniques for structure attack and exposure protection.

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

2012

Academy Program

Advanced Track

Structural Applications (A)

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

Nozzles, Hose, Flows (A)

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.

Vehicle Fires, Special Apps (A)

This class will cover the use of both aspirated foam and CAFS during vehicle fire attacks. It will cover special applications such as ladder pipes standpipes, sprinkler systems, etc. Fire investigation when using foam will also be discussed

Wildland/WUI Applications (A)

This class will cover aspirated and CAFS applications for direct and indirect attack, exposure protection, and mop up operations in the wildland. It will also cover aspirated and CAFS applications in the wildland-urban interface (WUI).

Troubleshooting for operators (A) Classroom

This class will cover how to troubleshoot and solve common operational issues that occur when operating Foam and CAFS systems on the fireground.

Troubleshooting for operators (A) Hands On

This class will hands on practice operating and troubleshooting Foam and CAFS systems

Helmets, eye, hand, and foot protection required

Live Fire

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.

2012

Academy Program

Chiefs Track

Foam Concentrates (C)

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

Foam/CAFS Success stories (C)

In this session several presenters will speak concerning incidents where Foam and CAFS were used to effectively mitigate the situation

Foam Training and SOG's (C)

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. Boiler-plate Foam SOG's will also be discussed.

Foam/CAFS Equipment (C)

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.

Foam Properties (C)

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 specialty products.

Integrating CAFS— Roundtable (C)

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

Field Exercises (C)

This class will provide demonstrations and hands on experienced operating Foam/CAFS systems and flowing hose lines.

Helmet, eye, hand, and foot protection required

Fireground Application for IC (C)

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 fire ground, and coordination of foam units with water-only units.

2012

Academy Program

EVT Track

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.

Proportioners-Hands on (M)

This class will cover calibration and testing of various types and model's of proportioners.

Eye, ear, hand, and foot protection will be required and must be provided by the student.

CAFS-Hands on (M)

This class will cover compressor system tuning including maximum pressure adjustments and air/water pressure balancing. It will also cover annual compressor testing.

Eye, ear, hand, and foot protection will be required and must be provided by the student.

Troubleshooting-Hands on (M)

This class will provide hands on practice troubleshooting actual problems on foam and CAFS which have been "bugged" by the instructors.

Eye, ear, hand, and foot protection will be required and must be provided by the student.

Proportioner Theory (M)

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

CAFS Theory (M)

This class will cover in depth the operation of CAFS. Topics include CAFS theory and operation; CAFS components; air, cooling, and hydraulic circuits

Foam System Maintenance/ Troubleshooting (M)

This class will cover the regular maintenance and service needed for different proportioners and CAFS. It will also cover troubleshooting for both proportioners and CAFS.

Writing Specifications for Foam/CAFS Systems (M)

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.

2012

Academy Program

Advanced EVT Track

Foam and CAFS Retrofits (M)

This class will cover retrofits of both proportioners and CAFS. This will be a fast moving hands on based class. The class will install a retrofit CAFS on an existing fire apparatus. The installation will be completed during the three day academy. Both mechanical and fabrication skills will be utilized.

Eye, ear, hand, and foot protection will be required and must be provided by the student

Students in the Advanced EVT Class must be experienced Foam/CAFS Technicians with solid basic knowledge of system operation. Class size will be limited to 12 students. Students must submit the application below to be considered for the class.

Advanced EVT Class Application

Name _____
Address _____
Agency _____
Phone _____
Email _____

Previous Foam/CAFS training

Hands on Foam/CAFS experience

Please provide a short statement outlining your interest in this class

Signature _____ Date _____

Submit application to Keith Klassen - kaklassen@waterousco.com , Fax 928-522-8169, or mail to Waterous AZ 8557 N 78th Ave. Peoria, AZ. 85345

2012

Academy Program

Class Schedule

Session 1 0800-0915	915 9:45	945 1000	Track & Section	Session 2 1000-1145	1145 1230	1230 1315	Session 3 1315-1500	1500 1515	Session 4 1515-1700
T h u r s	Opening Session	Break	A-1	Structural applications	Lunch	Lunch	Live fire	Live fire	Vehicles, special apps, investigations Wildland/WUI Proportioner hands on Proportioner theory Aspirating nozzles / safety CAFS Success stories Retrofit installation
			A-2	Structural applications	Demos	Nozzles and flows	Break	Vehicles, special apps, investigations	
			A-3	Structural applications	Vendors	Proportioner theory			
			M-1	Properties and concentrates for techs		Properties and concentrates for techs			
			M-2	Specing foam and CAFS		Foam concentrates			
			B-1	Basic foam properties		Basic foam properties			
			C-1	Foam concentrates		Retrofit installation			
			AM-1	Retrofit prep class					
F r i d a y	Session 1 0800-0945		A-1	Troubleshooting - Classroom	Lunch	Lunch	Troubleshooting - Hands On	Live fire	Wildland/WUI Live fire Troubleshooting - Hands On Maintenance/troubleshooting didactic CAFS hands on CAFS Theory Foam proportioners Training/SOGs Retrofit installation
			A-2	Troubleshooting - Classroom	Demos	Nozzles and Flows			
			A-3	Troubleshooting - Classroom	Vendors	CAFS hands on			
			M-1	CAFS Theory		CAFS Theory			
			M-2	Proportioner hands on		Foam proportioners			
			B-1	Field exercises- foam, nozzles		Training/SOGs			
			C-1	Integrating CAFS - Roundtable		Retrofit installation			
			AM-1	Retrofit installation					
S a t u r d a y	Roundtable Vendor presentations		A-1	Nozzles and flows	Lunch	Lunch	Vehicles, special apps, investigations	AAR	EVT F-7 test
			A-2	Troubleshooting - Hands On	Demos	Wildland/WUI			
			A-3	Live fire	Vendors	Live fire			
			M-1	Maintn/roubleshooting hands on		Specing foam and CAFS			
			M-2	Maintenance/troubleshooting didactic		Maintn/roubleshooting hands on			
			B-1	Field exercises- panel ops		Field exercises - application techniques			
			C-1	Foam/CAFS equipment		Apps for Ics			
			AM-1	Retrofit installation		Retrofit installation			

2012

Registration

*Register Online at AFoamAcademy.com
or by using the form below*

NOTE: Use one registration form per person. Please return the completed form, with payment to: Waterous Company, attention Wendi Perez, 7612 N 74th Ave. Glendale AZ. 85303. If paying by credit card, you may fax or email your registration to: 623-979-6949 (fax) or wbperez@waterousco.com

NAME: _____

TITLE: _____

AGENCY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP _____

WORK PHONE: _____ FAX: _____

EMAIL: _____ CELL: _____

TRACK (check one): (B)____ (A)____ (C)____ (M)____ (AM)____

REGISTRATION FEE: \$450.00 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 (\$126 per night) has been negotiated for conference attendees at the: **Residence Inn & Springhill Suites, 7350-7370 N. Zanjero Blvd. Glendale, AZ 85305** Marriott Reservation line **1(800) 627-7468**

www.residenceinnglendale.com www.springhillsuitesglendale.com

Use Group Code: "CAFS ACADEMY" GROUP BLOCK