



Foam Technician Level I Ethanol & Crude Oil In Transit

Cottrell Associates - National Foam
Seminar Series

Foam Technician Level I

Foam Ops. At Ethanol And Crude Oil Transportation Events
Six contact hours (five hr. classroom - one hr. hands on making)

I. Introduction To Crude Oil, Ethanol & Ethanol/Gasoline Blends

- liquid fuel (class B) origins and characteristics.
- liquid fire behavior - fires & spills.
- ethanol / crude / gasoline storage, distribution and transportation.

II. Firefighting Foams In General

- foam concentrate storage and handling.
- class A and CAFS interactions on class B fuels.
- class B foam: AFFF and alcohol resistant concentrates, solutions and finished foam.
- managing environmental impact and respect for public's right to know.
- logistics support for ethanol/gasoline and crude spill firefighting

III. Foam Proportioners & Appliances (bring pictures of yours)

- Identifying and understanding your equipment (basics)
- discuss low and medium expansion foam application logic.
- managing safety and security at un-ignited crude/ethanol and gasoline/ethanol spills.
- demonstrate foam application techniques and appliances from 12 to 500 gpm.

Program content contributed by flammable liquid fire protection specialists, industrial fire fighting instructors, industrial fire protection engineers, fixed system design consultants and fire apparatus design professionals from throughout the fire protection industry.

Instructor:

Jim Cottrell, of Cottrell Associates, Inc. has been a National Foam factory agent and product development consultant since 1988. His [Combat Support Products](#) division manufactures specialty foam firefighting equipment, conducts high hazard risk assessments and special ops. training for industrial, marine and municipal fire markets. foamguy@mac.com

Jim chairs the IFSTA Foam Technical Committee and a member of the Underwriters Laboratories, Foam Standards Technical Panel. He has written extensively on the subject of firefighting foam chemicals, large caliber fire stream, water supply management and foam applications for municipal and industrial firefighting.

www.cottrellassociates.com/cottrell_combat-support-home/tech-training-support.html

