



FDSS, LLC

Fire Department Support Systems
Throughout New England



APRIL 17, 18, 2017 TILTON-NORTHFIELD FIRE DEPARTMENT
149 PARK STREET NORTHFIELD NH (VISIT WWW.LRMFA.ORG FOR DETAILS)

Apparatus Pump Operator/Engineer Training

Unsurpassed Skill and Experience Development

When and where it matters the most!

In the fire service today, it is critically important that pump operators are competent and experienced. However, experience gained at the hands of a fire is declining. For safety's sake, we must fill this gap. FDSS training does just that, safely and efficiently! We simulate the experience of the first critical thirty minutes of a multiple line fire!

Key functions:

The simulator has a series of sensors and valves integrated into a 2,200 gallon recovery tank. The sensors track pressure, flow, water temperature, valve position and more. They interface with two computers which in turn regulate the valves to simulate friction loss and the need for lines to be maintained at different pressures. The computers also regulate the valves to create events such as kinked lines, hose rupture water supply problems, all of which challenge pump operators at all skill levels. The activity is tracked and plotted in real time for use in furthering the experience.



In just thirty minutes, we can make a significant difference in the skill level of a pump operator.

The simulator scenarios are managed by highly experienced instructors. One works from a "dashboard" on a laptop computer. Another instructor works directly with the student at the pump panel. We can incorporate a series of role playing exercises in order to make the experience even more realistic. Some people ask if the simulator is effective for departments that have electronically run pumps...the answer is **absolutely yes!** Preset and pressure mode can quickly become a problem in the multi-line operation. In our program, the student can experience these problems without putting anyone at risk. **Skilled pump operators protect the firefighter and reduce property and equipment damage. There is no better way to build pump operator skills than the FDSS program.**



What does this mean for training?

We work with and train on the department's own apparatus, delivering highly efficient and advanced training that can significantly improve pump operator skills. We can build upon formal programs offered by local academies or we can use our own on-line basic pump curriculum. **One-on-one and hands-on training is the best way to learn.** We can be flexible in training and this is effective for both the rookie and the veteran pump operators in one class.



We ask each student to rate our program. Hundreds of students keep us going strong with 100% customer satisfaction since 2008.

Waltham, MA – “The instructors were very knowledgeable; great at projecting the knowledge to me; made the evolution understandable. I’d like to have this training more often.”

Somerville, MA – “Eye-opening scenarios on the fire ground!” “This training took the intimidation out of pump training.” “Learning by hands-on training rather than in a classroom was one of the best aspects of the training.”

Marlboro, MA – “I learned to think on my feet!” “I would recommend this for every Fire Department in the State and this training for the Academy.”

Lynn, MA – “I learned how to recognize problems by the gauge reaction.” “I wish I’d had this training a long time ago.”

Devens, MA – “Having four nozzles going at once is something that doesn’t happen a lot; it was valuable to learn that.”

Lunenburg, MA – “Understanding static pressure, how to read the gauges, the differences between a kink and rupture; what an experience.” “These are real-life scenarios, thanks!”

Clinton, MA – “I learned pump awareness; where the attack lines are inside and outside. Fantastic.” “Learning to recover from the scenarios opened up a whole new thought process.”

Woburn, MA – “Learning something this valuable without putting anyone at risk made this the best training I have ever had.”

Melrose, MA – “The training was fantastic! I have never been so challenged by a system. The knowledge of the instructors was phenomenal.” “Very informative; enjoyed learning this without compromising anybody.”

Everett, MA - “To be taught step-by step what to do, how to do it, first hand explanations and one-on-one has prepared me for anything.”

And, everyone agreed:

“GREAT CLASS, PLEASE COME BACK!”

World Class Training Developing Real World Experience!



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