



# State Firefighters' and Fire Marshals' Association of Texas

Texas Volunteer Firefighters' and Fire Marshals' Certification Board

PO Box 1409 ♦ Manchaca, Texas 78652-1409

www.sffma.org ♦ 512.454.3473 (phone)

## INSTRUCTIONAL SKILLS

### **WATER SOURCE FFI-1**

Supply Hose to Hydrant

#### **Subject: Fireground Operations**

#### **NFPA 1001 4.3.15**

#### **REFERENCE**

Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed. (4.3.15)

#### **OBJECTIVE**

Trainee, operating as a team member, shall connect a pumper apparatus to a fire hydrant using a forward lay and a reverse lay.

#### **INSTRUCTIONS - procedures for achieving the objective**

You shall demonstrate the proper technique for connecting a 2½ inch or larger soft supply hose to a hydrant. Once the hose has been connected to the hydrant and the intake of the apparatus, you will then fully open and close the hydrant. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

#### **PREPARATION & EQUIPMENT** Pumper apparatus 2½" or larger soft supply hose

Hydrant

Hydrant wrench

PPE appropriate for the skill



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## INSTRUCTIONAL SKILLS

### WATER SOURCE FFI-1

Supply Hose to Hydrant

Trainee: \_\_\_\_\_

Department: \_\_\_\_\_

Trainee, operating as a team member, shall connect a pumper apparatus to a fire hydrant using a forward lay and a reverse lay. (4.5.15)

<b>FORWARD LAY</b>	<b>POSSIBLE POINTS</b>	<b>TEST</b>	<b>RETEST</b>
a. Obtains a hydrant wrench from apparatus	1		
b. Removes sufficient hose to reach the hydrant	1		
c. Secures the hose per AHJ	1		
d. Signals driver to proceed to the fire	1		
e. Flushes hydrant	1		
f. Connects hose to the hydrant	1		
g. Connects other hose coupling to pump intake	1		
h. Fully opens hydrant	1		
i. Removes all kinks from the hose	1		
j. Fully closes hydrant when water source is no longer needed	1		
k. Performs skill in a safe and proficient manner, per AHJ	1		
<b>TOTAL POINTS:</b>	<b>11</b>		

**Points needed to pass: 8**

<b>REVERSE LAY</b>	<b>POSSIBLE POINTS</b>	<b>TEST</b>	<b>RETEST</b>
a. Removes sufficient hose and tools at the fire scene	1		
b. Secures the hose per AHJ	1		
c. Signals driver to proceed to the hydrant	1		
d. Flushes hydrant	1		
e. Makes appropriate hydrant connection	1		
f. Connects other hose coupling to pump intake or appliance at fire scene	1		
g. Fully opens hydrant	1		
h. Removes all kinks from the hose	1		
i. Fully closes hydrant when water source is no longer needed	1		
j. Performs skill in a safe and proficient manner, per AHJ	1		
<b>TOTAL POINTS:</b>	<b>10</b>		

**Points needed to pass: 7**



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## INSTRUCTIONAL SKILLS

Evaluator/Candidate Comments:

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Instructor's Signature

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Date



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## INSTRUCTIONAL SKILLS

### WATER SOURCE FFI-2

Hand Laying Supply Line

#### **Subject: Fireground Operations**

#### **NFPA 1001 4.3.15**

#### **REFERENCE**

Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed. (4.3.15)

#### **OBJECTIVE**

Trainee, operating as a team member, shall hand lay hose to connect a pumper apparatus to a water source.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given the proper equipment as a member of a team, you shall demonstrate the shoulder carry method of hand laying a given size and length of supply line from a pumper to a water source. You will be evaluated on your individual performance. You will begin on my instruction to start. The skill will end when the final performing team member states to me that all the identified steps have been completed. Do you understand these instructions?

#### **PREPARATION & EQUIPMENT**

Pumper

Sufficient amount of supply hose

Water source

Necessary adapters and tools

PPE appropriate for the skill



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## INSTRUCTIONAL SKILLS

### WATER SOURCE FFI-2

#### Hand Laying Supply Line

Trainee: \_\_\_\_\_

Department: \_\_\_\_\_

Trainee, operating as a team member, shall hand lay hose to connect a pumper apparatus to a water source. (4.3.15)

Firefighter #1 – Deploys Hose	POSSIBLE POINTS	TEST	RETEST
a. Positions on the rear step of the apparatus	1		
b. Deploys supply hose on to firefighters	1		
c. Uncouples the hose from hose bed	1		
d. Makes hose connection to pumper	1		
e. Performs skill in a safe and proficient manner, per AHJ	1		
<b>TOTAL POINTS:</b>	<b>5</b>		

#### Points needed to pass: 4

Firefighter #2 – Shoulder Carry	POSSIBLE POINTS	TEST	RETEST
a. Positions at the tailboard facing the direction of travel	1		
b. Brings the hose from behind back onto shoulder so the hose folds at knee level	1		
c. Continues to make knee-high folds until the appropriate amount of hose is loaded	1		
d. Holds the hose to prevent it from slipping off the shoulder	1		
e. Moves forward approximately 15 feet (5 meters)	1		
f. Advances the hose with firefighter #3 toward the water source while flaking hose off the shoulder	1		
g. Uses adapters and tools to connect hose to the water supply	1		
h. Performs skill in a safe and proficient manner, per AHJ	1		
<b>TOTAL POINTS:</b>	<b>8</b>		

#### Points needed to pass: 6

Firefighter #3 – Shoulder Carry	POSSIBLE POINTS	TEST	RETEST
a. Positions at the tailboard facing the direction of travel	1		
b. Loads hose onto the shoulder in the same manner as FF#2, making knee-high folds until the appropriate amount of hose is loaded	1		
c. Advances the hose with firefighter #2 toward the water source while flaking hose off the shoulder	1		



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## INSTRUCTIONAL SKILLS

d. Performs skill in a safe and proficient manner, per AHJ	1		
TOTAL POINTS:	4		

Points needed to pass: 3

Evaluator/Candidate Comments:

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## INSTRUCTIONAL SKILLS

### WATER SOURCE FFI-3

Establishing a Portable Water Source Connection

#### **Subject: Fireground Operations**

#### **NFPA 1001 4.3.15**

#### **REFERENCE**

Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed. (4.3.15)

#### **OBJECTIVE**

Trainee, operating as a team member, shall establish a portable water source connection.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given all the necessary equipment, you shall demonstrate the proper technique for connecting a pumper to a portable water supply source. It will not be necessary for you to actually draft water as a part of this skill. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

#### **PREPARATION & EQUIPMENT**

Pumper apparatus

2 - 2½" or larger hard supply hoses with strainers

Rubber mallet

Portable water tank

PPE appropriate for the skill



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## INSTRUCTIONAL SKILLS

### WATER SOURCE FFI-3

Establishing a Portable Water Source Connection

Trainee: \_\_\_\_\_

Department: \_\_\_\_\_

Trainee, operating as a team member, shall establish a portable water source connection.(4.3.15)			
	POSSIBLE POINTS	TEST	RETEST
a. Properly deploys portable water tank on a safe surface	1		
b. Checks gaskets on hard suction hose for dirt or gravel	1		
c. Uses a floating strainer or ensures a rope is fastened to the barrel-type strainer to aid in handling the hard suction hose or uses a low water strainer	1		
d. Makes hard suction hose connection to pumper and strainer	1		
e. Uses a rubber mallet to ensure an air-tight connection	1		
f. Places strainer into portable water tank	1		
g. Performs skill in a safe and proficient manner, per AHJ	1		
	<b>TOTAL POINTS:</b>	<b>6</b>	

**Points needed to pass: 4**

**Evaluator/Candidate Comments:**

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Instructor's Signature

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Date