



Manipulative Performance Test

Procedures Handbook 4300

HOSE

TOPIC/EQUIPMENT: Progressive Hoselay (Fire Crew)

CATEGORY: Performance Test

POINTS POSSIBLE: 100

TIME ALLOWED: 15 minutes

BEHAVIORAL OBJECTIVE:

Condition:

1000 feet of 1 1/2 inch hose, 500 feet of 1 inch hose, 1 1/2 inch nozzle, 5 - 1 inch nozzles, 5 in-line hose tee's, 1 hose clamp, 2 spanner wrenches - 1 1/2 inch, Water source - Minimum 1 1/2 inch discharge

Behavior:

The fire crew will demonstrate the procedures for completing a 1000 foot progressive hoselay, with laterals.

Standard:

With a minimum of 70% accuracy, within 15 minutes, according to the score sheet

MATERIALS NEEDED:

- One (1) - Fire crew in full safety gear with Captain
- Ten (10) - 100' lengths of 1 1/2" hose
- Five (5) - 100' lengths of 1" hose
- One (1) - 1 1/2" nozzle
- Five (5) - 1" Nozzle
- Five (5) - 1 1/2" X 1" in line hose tees
- One (1) - Hose clamp
- Two (2) - 1 1/2" Spanners
- One (1) - Water source for 1 1/2" hose
- One (1) - Clip board
- One (1) - Roll flagging
- One (1) - Score sheet per crew
- One (1) - Manipulative Performance Test Cover page
- One (1) - Stop watch
- One (1) - Set crew fire tools (optional)



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PROCEDURES:

The time will start when the first length of hose is rolled out. The time will end when the last length of hose is charged and fully extended. The crew will demonstrate the ability to make a progressive hoselay.

SCORING:

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. Lettered procedures may be performed in any sequence within the numbered step without a loss of points. Steps designated by an asterisk (*) must be performed or the crew fails the examination. A score of zero (0) will be given if during the examination the crew performs any step or procedure that would jeopardize the safety of personnel or damage the equipment.

SPECIAL NOTES:

Before the examination begins the crew will be allowed to ask any clarifying questions and inspect the equipment. Once the examination begins the evaluator shall not answer any questions or intercede in any way, unless safety violations occur that would injure personnel or equipment. The examination will begin with the crew standing by a stack of hose. The crew may, and should if possible, bring their fire tools along with the hoselay to use on spot fires or firefighting beyond the end of the hoselay. The flagging is used to mark the simulated fire line's edge. The fire crew will start flowing the water at the anchor point and will put down a continuous wet line until last length of hose is fully extended.

Score Sheet

PROGRESSIVE HOSELAY
(FIRE CREW)

DATE ____ / ____ / ____ TEST # ____ RETEST # ____ UNIT # ____

STUDENT'S NAME _____

EVALUATOR'S NAME _____

STEPS AND PROCEDURES

POINTS

- | | | |
|----|--|----------|
| 1. | Captain briefs crew | |
| | a. Safety aspects | <u>1</u> |
| | b. Escape routes | <u>1</u> |
| | c. Weather | <u>1</u> |
| | d. Fire Direction | <u>1</u> |
| | e. Footing | <u>1</u> |
| | f. Avoiding pinching hose | <u>1</u> |
| | g. Avoid pinching fingers | <u>1</u> |
| | h. Using proper lifting techniques | <u>1</u> |
| | i. Tool up crew (optional (no points)) | <u>0</u> |
| 2. | Captain designates assignments to crew | |
| | a. Nozzle person | <u>1</u> |
| | b. Clamp/Brass person | <u>1</u> |
| | c. Hose handlers | <u>1</u> |

TIME STARTS

- | | | |
|----|---|----------|
| 3. | Hose handler unrolls 100 foot length of 1 1/2" hose | <u>2</u> |
|----|---|----------|

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	<u>POINTS</u>
a. Not into heavy brush or towards fire	___ 2
4. Hose handler hands male coupling to nozzle person	___ 2
5. Hose handler hands female coupling to clamp/brass person	___ 2
6. Clamp/brass person inspects female coupling	
a. Checking coupling gasket	___ 1
b. Checking threads	___ 1
7. Clamp/brass person connects female coupling to discharge	
a. Hand tight	___ 3
8. Nozzle person inspects nozzle	
a. Checking for coupling gasket	___ 1
b. Checking threads	___ 1
9. Nozzle person connects nozzle to hose	
a. Hand tight	___ 3
10. Nozzle person states: " CHARGE LINE "	___ 2
11. Clamp/brass person states: " WATER " and then opens discharge	___ 2
12. Nozzle person opens nozzle	___ 2
a. Making a wet line	___ 2
b. From anchor point	___ *
13. Clamp/brass person and hose handlers pull hose	___ 2

	<u>POINTS</u>
14. Hose handler drops and drags hose for next length	___ 2
15. Clamp/brass person calls: " HOSE "	___ 2
a. Leaving 10 feet of slack in hoseline	
16. Nozzle person stops advancing	___ 2
a. Closing nozzle	___ 3
17. Nozzle person states: " CLAMP HOSE "	___ 2
a. Loudly	
18. Clamp/brass person clamps hose	___ 3
a. 10 feet behind nozzle	___ 2
b. Avoids pinching hose	___ 2
19. Clamp/brass person states: " CLAMPED "	___ 2
a. Loudly when hose is clamped	___ 2
20. Nozzle person opens nozzle to release water pressure	___ 2
21. Nozzle person removes nozzle from hose and hands male coupling to hose handler	___ 2
22. Clamp/brass person hands 1 1/2 inch water tee to hose handler who installs tee	___ 3
a. At end of first 100 feet length of line	___ 2
b. At every 200 feet or as needed thereafter	___ 2
23. Repeat steps 4 through 23 while completing step 24 through 28 until hoselay is complete	___ 2

POINTS

24. Completed hoselay will be 1,000 feet long *
25. Captain directs crew member to lay a lateral line 2
- a. Hose handler with length of 1 inch hose 2
26. Hose handler unrolls 1 inch lateral 3
- a. Not towards fire 2
27. Crew member connects lateral to tee and 1 inch nozzle 3
- a. Checking threads
28. Crew member extends lateral 2
- a. Perpendicular to charged hoseline
- b. While holding nozzle
- c. Fully extended
- d. Crew member remains with nozzle
29. Until hoselay is completed at 1000 feet long *
30. Captain advises crew to stop 2
- a. Stop forward progress of hoselay

TIME STOPS

31. Captain advises crew to breakdown hoseline 3
- a. Disconnect hose sections
- b. Drain hose
- c. Pack hose

	<u>POINTS</u>
32. Crew members disconnect hose section	<u> 3</u>
33. Crew members drain hoses	<u> 2</u>
a. Lay couplings downhill	
b. Draining all water out of hose	
34. Remove all hose appliances from hose connections	<u> 3</u>
a. Bring appliances back to starting point	
b. Retrieving rubber bands	
35. Carry hose back to the starting point	<u> 1</u>
a. Over the shoulder/butterfly hose carry	<u> 1</u>
b. No more than two lengths per person at one time	<u> 1</u>
36. Roll all hose	<u> 3</u>
a. Two person teams	

ENTER TOTAL TIME: :

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
