



# Fire Protection Training

Procedures Handbook 4300

HOSE

**TOPIC:** How to Make a Progressive Hoselay - Three Person

**TIME FRAME:** 1 Hour

**LEVEL OF INSTRUCTION:**

**BEHAVIORAL OBJECTIVE:**

*Condition:* A fire engine, a hose clamp, 500' of 1-1/2" hose, a 1-1/2" nozzle, and two firefighter assistants

*Behavior:* The student will complete a 500' progressive hoselay with wet line under simulated fire conditions.

*Standard:* With a minimum of 70% accuracy, within 10 minutes

**MATERIALS NEEDED:**

- One fire engine with operator
- Hose clamp
- 500' of 1-1/2" hose
- One 1-1/2" nozzle
- Two firefighter assistants
- Stop watch
- Performance examinations

**REFERENCES:**

- Wildland Firefighting, Clayton, Day, McFadden

**PREPARATION:**

The ability to quickly attack and extinguish wildland fires with a hoselay is a hallmark of CDF fire control employees. In order to maintain proficiency in this skill, practice is essential.

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HOW TO MAKE A PROGRESSIVE  
HOSELAY-THREE PERSON

## OPERATIONS

## KEY POINTS

- | OPERATIONS                     | KEY POINTS   |
|--------------------------------|--|
| 1. Unroll hose                 | 1a. Hose person<br>b. 100' of 1 1/2"<br>c. Towards, but not into fire<br>d. Fully extended   |
| 2. Connect hose                | 2a. Nozzle person<br>1) Male coupling to 1 1/2" nozzle<br>b. Clamp person<br>1) Female coupling to engine discharge                                  |
| 3. State "Water"               | 3a. Nozzle person<br>1) Gives command loudly<br>2) Bleeds air from line<br>b. Clamp person<br>1) Opens discharge or releases hose clamp<br>2) Slowly |
| 4. Advance line                | 4a. Making wet line<br>1) From anchor point  |
| 5. Stop advance                | 5a. When 10' of slack left<br>b. In extended 100' length   |
| 6. Clamp hose                  | 6a. 18" behind male coupling<br>b. Roll hose to center of clamp<br>c. Do not pinch   |
| 7. Unroll hose                 | 7a. 100" of 1 1/2"<br>b. Parallel to fire<br>c. Toward engine<br>d. Fully  |
| 8. Bleed off and remove nozzle | 8a. From extended hose length  |

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## OPERATIONS

## KEY POINTS

9. Trade couplings

9a. Nozzle person

- 1) Gives male coupling from charged hose to hose person
- 2) Receives male coupling from uncharged hose

b. Hose person

- 1) Receives male coupling from charged hose
- 2) Retains female coupling from uncharged hose

10. Couple Hose

10a. Nozzle person

- 1) Connects nozzle to male coupling of uncharged line

b. Hose person

- 1) Connects male coupling from charged line to female coupling of uncharged line

11. Steps 3-8 repeated

12. Trade couplings

12a. Nozzle person

- 1) Give male #2 to hose person
- 2) Receives male #3

b. Hose person

- 1) Receives male #2
- 2) Retains female #3

13. Couple 1 1/2" hose and hose tee

13a. Nozzle person

- 1) Connects nozzle to male #3

b. Hose person

- 1) Connects hose tee to male #2
- 2) Connects female #3 to hose tee male
- 3) Returns to engine

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## OPERATIONS

## KEY POINTS

14. Steps 3-8 repeated

15. Trade couplings

16. Couple hose

17. Couple 1 1/2" hose and hose tee

18. Steps 3-5 repeated

19. Couple hose laterals

- a) For 1" hose
- b) Two 100' lengths
- c) Two 1" nozzles

15a. Nozzle person

- 1) Gives male #3 to hose person
- 2) Receives male #4

b. Clamp person

- 1) Receives male #3
- 2) Retains female #4

16a. Nozzle person

- 1) Connects nozzle to male #4

b. Clamp person

- 1) Connects male #3 to female #4

17a. Nozzle person

- 1) Connects nozzle to male #5

b. Clamp person

- 1) Connects hose tee to male #4
- 2) Connects female #5 to hose tee male

19a. Hose person

- b. To hose tees
- c. 1" hose



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***APPLICATION:***

The student will practice until proficient.

***EVALUATION:***

A performance examination.

***ASSIGNMENT:***

To be determined by instructor(s).

## POINTS

### TIME START

- |     |   |          |
|-----|---|----------|
| 1.  | Hose person unrolls one length of 1 1/2( in safe direction preferably towards fire  | <u>3</u> |
| 2.  | Clamp person connects female coupling to engine discharge   | <u>3</u> |
| 3.  | Nozzle person connects 1 1/2( nozzle to male coupling   | <u>3</u> |
| 4.  | At nozzle person's command for water, the clamp person opens the discharge slowly and states "water coming"   | <u>3</u> |
| 5.  | Nozzle person bleeds air from line and makes a wet line from an anchor point until 10( of slack remains in the first hose length                            | <u>3</u> |
| 6.  | Clamp person and hose person carry 2 lengths of 1 1/2( hose to nozzle person's position   | <u>3</u> |
| 7.  | Clamp person clamps hose 18( behind male coupling and keeps hose centered in clamp to avoid pinching the hose   | <u>3</u> |
| 8.  | Hose person rolls out 100( of 1 1/2( hose back down fireline toward the engine in the unburned area   | <u>3</u> |
| 9.  | When hoseline clamped off nozzle person opens nozzle to release pressure in line, removes nozzle and attaches nozzle to male coupling of second hose length | <u>3</u> |
| 10. | Hose person connects female coupling from second length to male coupling of first length  | <u>3</u> |
| 11. | Upon nozzle person's command "water" clamp person opens the clamp slowly and states "water coming"  | <u>3</u> |
| 12. | Nozzle person bleeds air from the line and makes a wet line until 10( of slack left in hose length #2   | <u>3</u> |
| 13. | Clamp person clamps hose 18( behind male coupling and keeps hose centered in clamp to avoid pinching the hose   | <u>3</u> |

# Performance Examination

HOW TO MAKE A PROGRESSIVE  
HOSELAY-THREE PERSON

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	<b><u>POINTS</u></b>
14. Hose person rolls out 100( of 1 1/2( hose back down fireline toward the engine in the unburned area	___ 3
15. Hose person returns to engine for 2 lengths of 1" hose with nozzles	___ 3
16. When hoseline clamped off, nozzle person opens nozzle to release pressure in line, removes nozzle and attaches nozzle to male coupling of third hose length	___ 3
17. Clamp person connects female coupling from third length to male coupling of the hose tee, then male coupling of the second length to the female coupling of the hose tee	___ 3
18. Upon nozzle person's command "water" clamp person opens the clamp slowly and states "water coming"	___ 3
19. Nozzle person bleeds air from the line and makes a wet line until 10( of slack left in hose length #3	___ 3
20. Clamp person clamps hose 18( behind male coupling and keeps hose centered in clamp to avoid pinching the hose	___ 3
21. Nozzle person rolls out 100( of 1 1/2( hose back down fireline toward the engine in the unburned area	___ 3
22. When hoseline clamped off nozzle person opens nozzle to release pressure in line, removes nozzle and attaches nozzle to male coupling of fourth hose length	___ 3
23. Clamp person connects female coupling from fourth length to male coupling of third length	___ 3
24. Upon nozzle person's command "water" clamp person opens the clamp slowly and states "water coming"	___ 3
25. Nozzle person bleeds air from the line and makes a wet line until 10( of slack left in hose length #4	___ 3

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# Performance Examination

HOW TO MAKE A PROGRESSIVE  
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	<b><u>POINTS</u></b>
26. Clamp person clamps hose 18( behind male coupling and keeps hose centered in clamp to avoid pinching the hose	<u>3</u>
27. Nozzle person rolls out 100( of 1 1/2( hose back down fireline toward the engine in the unburned area	<u>3</u>
28. When hoseline clamped off nozzle person opens nozzle to release pressure in line, removes nozzle and attaches nozzle to male coupling of fifth hose length	<u>3</u>
29. Clamp person connects female coupling from fifth length to male coupling of the hose tee, then the male coupling of the fourth length to the hose tee female coupling	<u>3</u>
30. Upon nozzle person's command "water" clamp person opens the clamp slowly and states "water coming"	<u>3</u>
31. Nozzle person bleeds air from the line and makes a wet line until 10( of slack left in hose length #5	<u>3</u>
32. Hose person connects 1" hose lengths to hose tees in the progressive hose lay	<u>3</u>
33. Hose person connects nozzles to 1" laterals	<u>3</u>

TIME STOP

**ENTER TOTAL TIME:** \_\_\_\_\_:

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:** \_\_\_\_\_

**FINAL SCORE:** \_\_\_\_\_

**EVALUATOR'S SIGNATURE:**

**DATE:**

**COMMENTS:**

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