



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOSE

TOPIC: How to Make a Progressive Hoselay – Three Person

TIME FRAME: :30

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: 500' of 1-½" forestry hose, a 1-½" nozzle, 2--1-½" in-line hose tees, 1- fire engine with 1-½" discharge outlet, 200' of 1" forestry lateral hose with attached nozzles, 1- forestry hose clamp, and two firefighter assistants

Behavior: The student shall complete a 500' progressive hoselay with a continuous anchored wet line under simulated fire conditions

Standard: With a minimum of 80% accuracy, within 10 minutes

MATERIALS NEEDED:

- One (1) fire engine with operator
- One (1) forestry hose clamp
- 500' (5 x 100') of 1-½" forestry hose
- One (1) 1-½" nozzle with shut-off bail
- Two (2) 1-½" in-line forestry hose tee's
- 2 x100' of 1" rolled forestry lateral hose
- Two (2) 1" NPSH nozzles
- Two (2) firefighter assistants
- Performance examinations
- Individual score sheets
- One (1) stop watch
- One (1) clip board
- One (1) red pen
- Appropriate wildland fire safety PPE per CAL FIRE policy



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REFERENCES:

- Firefighter's Handbook on Wildland Firefighting, 3rd Edition, Teie, Chapter 7, Pages 249-251, 2005
- IFSTA, Wildland Firefighting for Structural Firefighters, 4th Edition Chapter 6, pages 224-227, 2003
- USFS: Water VS. FIRE pamphlet, 1975

PREPARATION:

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



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HOW TO MAKE A
PROGRESSIVE HOSELAY –
THREE PERSON

OPERATIONS	KEY POINTS
1. Unroll dry hose #1	1a. Hose person b. 100' of 1-½" forestry hose c. Towards, but not into fire d. Fully extended
2. Connect hose	2a. Nozzle person 1) Connects male coupling to 1-½" shut-off bail/nozzle b. Clamp person 1) Connects female coupling to the engine discharge outlet
3. State " Water "	3a. Nozzle person 1) Gives command loudly 2) Bleeds air from line at nozzle b. Clamp person 1) Opens engine discharge or releases hose clamp 2) Slowly 3) No water hammers 4) States " water coming "
4. Advance hoselay	4a. Making a continuous wet line 1) From an anchor point
5. Stop hoselay advance	5a. When 10' of hose slack left b. In the extended 100' length
6. Clamp charged hose	6a. At least 18" behind the male coupling b. Roll hose towards center of clamp c. Do not pinch hose or fingers
7. Bleed off and remove nozzle	7a. From extended hose length
8. Unroll dry hose #2	8a. Hose person b. 100' of 1-½" forestry hose



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OPERATIONS

KEY POINTS

9. Trade couplings

- c. Parallel, but not into the fire
- d. Towards engine
- e. Fully extended
- 9a. Nozzle person
 - 1) Gives male coupling from charged hose #1 to hose person
 - 2) Receives male coupling from uncharged hose #2
- b. Hose person
 - 1) Receive male coupling from charged hose #1
 - 2) Retains female coupling from uncharged hose #2

10. Couple 1-1/2" hose

- 10a. Nozzle person
 - 1) Connects nozzle to male coupling of uncharged hose #2
- b. Hose person
 - 1) Connects male coupling from the charged hose #1 to the female coupling of uncharged hose #2

11. Steps 3-8 repeated

12. Trade couplings

- 12a. Nozzle person
 - 1) Gives male coupling from charged hose #2 to hose person
 - 2) Receives male coupling from uncharged hose #3
- b. Hose person
 - 1) Receives male coupling from charged hose #2
 - 2) Retains female coupling from uncharged hose #3



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OPERATIONS	KEY POINTS
13. Couple 1-12" hose and in-line hose tee #1	13a. Nozzle person 1) Connects nozzle to male coupling of uncharged hose #3 b. Hose person 1) Connects hose tee to the charged male #2 2) Connects female coupling #3 to in-line hose tee male 3) Returns to engine a) For 1" rolled lateral hose b) Two 100' lengths with c) Two 1" nozzles attached
14. Steps 3-8 repeated	14a. For Hose #3 connection
15. Trade couplings	15a. Nozzle person 1) Gives male coupling from charged hose #3 to hose person 2) Receives male coupling from uncharged hose #4 b. Clamp person 1) Receives male coupling #3 2) Retains female coupling #4
16. Couple 1-1/2" hose	16a. Nozzle person 1) Connects nozzle to male coupling #4 b. Clamp person 1) Connects male #3 to female #4
17. Couple 1-1/2" hose and in-line hose tee #2	17a. Nozzle person 1) Connects nozzle to male coupling #5 b. Clamp person



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KEY POINTS

- 18. Steps 3-5 repeated
- 19. Couple 1" forestry hose laterals
- 20. Couple 1" nozzles

- 1) Connects hose tee to male coupling #4
 - 2) Connects female coupling #5 to in-line hose tee male coupling
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- 19a. Hose person
 - b. To the in-line hose tees
 - c. 1" hose
 - 20a. Hose person
 - 20b. To the 1" hose



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APPLICATION:

Student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by the instructor(s).