



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOSE

TOPIC: HOW TO MAKE A 300' PROGRESSIVE HOSELAY-ONE PERSON

LEVEL OF INSTRUCTION: Level II

TIME FRAME: :15

BEHAVIORAL OBJECTIVE:

Condition: Given a fire engine with operator, a wildland hose clamp, 100' of 1-½" wildland hose in a single donut configuration (starter roll), a 1-½" combination nozzle with bale shut-off, a hose bag with 200' of 1-½" hose, and a 1-½" in-line hose tee on flat terrain covered with grass or other natural surface material (as allowed by local ordinances) at least 350 feet long

Behavior: The student shall make a 300' progressive hoselay from a clearly marked "anchor point" while applying a continuous wet line. The student will then break down and quickly return all hose, brass, and clamp to the engine during simulated fire conditions. All operations are to be at a walking pace. Running is not permitted.

Standard: Completing all operations according to the job breakdown.

MATERIALS NEEDED:

- One (1) fire engine with operator
- One (1) 1-½" wildland hose clamp
- One (1) 100' length of 1-½" "wildland hose" (starter roll) in a single donut roll w/rubber band
- One (1) wildland hose bag filled with 200' of 1-½" wildland hose in single donut rolls with rubber hose band
- One (1) 1-½" combination nozzle with bale shut-off
- One (1) 1-1/2" to 1" in-line hose tee
- One (1) tape measure
- Traffic cones, marking paint, or chalk
- Appropriate wildland fire safety PPE per CAL FIRE policy
- One (1) copy per student of the job breakdown

4307.31.3



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOSE

REFERENCES:

- IFSTA, Wildland Firefighting for Structural Firefighters, 4th Edition, Chapter 6, Pages 224-227, 2003
- USFS, Water vs Fire booklet Pages 25-29, 1975

PREPARATION:

Numerous wildland fires have been kept small by firefighters utilizing the progressive hoselay. A firefighter properly skilled in the one-person progressive hoselay can extinguish a great deal of fire while other crew members are gearing up to assist.



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

OPERATIONS	KEY POINTS
1. Unroll Hose #1 (starter roll)	1a. 100' of 1-½" wildland hose b. Shout " Hose " c. Away from the fire d. Not into the burn e. Completely f. Free from kinks g. Do not drop couplings
2. Hand Hose #1 to engine operator to connect	2a. Operator attaches Hose #1 female coupling to engine's discharge outlet
3. Retrieve 1-½" nozzle with bale shut-off, hose clamp, in-line hose tee.	3a. From engine's "brass" compartment
4. Secure hose clamp and hose tee	4a. On person or in hose bag
5. Attach nozzle with bale shut-off	5a. To Hose #1 male coupling b. Do not cross thread c. Assure bale shut-off is fully closed
6. Set down nozzle	6a. To Hose #1 male coupling
7. Don hose bag on back	7a. Secure bag on back b. Lift with legs, not with the back
8. Pick up nozzle and instruct engine operator to charge line	8a. State " ready for water " loudly b. Do not advance uncharged hose line
9. Operator states, "Water coming."	
10. Open nozzle/bale	10a. Fully and slowly b. Bleed air from hose line
11. Adjust nozzle pattern	11a. Straight stream to full fog pattern b. Leave on a medium fog pattern (30°)
12. Establish an anchor point and advance the hoseline	12a. Making a continuous wet line from an anchor point marked on ground b. Using traffic cones, paint, chalk/lime

4307.31.3



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

OPERATIONS	KEY POINTS
	<ul style="list-style-type: none">c. Alternating straight stream to medium fog pattern simulating knocking fire down while advancing the hose layc. Hose at either hip or over the shoulderd. Stop advancing hose lay when 10' of slack is left in hose linee. Knocking simulated fire down ahead of hose lay end with straight stream
13. Close nozzle/bale	<ul style="list-style-type: none">13a. Fully and slowlyb. Set on groundc. No water hammers
14. Remove Hose #2 roll from hose bag	<ul style="list-style-type: none">14a. May remove hose bag off backb. Retain Hose #3 roll in hose bag
15. Unroll Hose #2	<ul style="list-style-type: none">15a. Shouts "Hose" loudlyb. Parallel to fire, back toward enginec. Not into the burnd. Completelye. Free from kinksf. Do not drop couplingsg. Disconnect couplings
16. Clamp charged hose lay	<ul style="list-style-type: none">16a. With wildland hose clampb. At least 18" from nozzlec. Without pinching hose or fingers
17. Open nozzle/bale to relieve pressure	<ul style="list-style-type: none">17a. Slowly, completely
18. Remove nozzle/bale	
19. Attach nozzle with bale shut-off	<ul style="list-style-type: none">19a. To Hose #2 male couplingb. Do not cross threadc. Confirm bale shut-off is fully closed

4307.31.3



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

OPERATIONS	KEY POINTS
20. Connect Hose #2	20a. Female end of Hose #2 to male end of charged hose lay
21. Release hose clamp	b. Do not drop the nozzle
22. Don hose bag on back	21a. Slowly
23. Open nozzle/bale	b. Remove from hose completely
24. Test and adjust nozzle pattern	c. Secure on person or in hose bag
25. Resume advancing hose line	22a. Secure bag on back if removed
26. Close nozzle/bale	b. Lift with the legs, not with back
27. Remove Hose #3 from hose bag	23a. Fully and slowly
	b. Bleed air from hose line
	c. Do not advance until fully charged
	24a. Straight stream to full fog pattern
	b. Leave on a medium fog pattern
	25a. Making a continuous wet line
	b. Use alternating straight stream to medium fog pattern knocking down simulated fire in advance of hose lay
	c. Hose at either hip or over the shoulder
	d. Stop advancing when 10' of slack is left in the hose line
	e. Knocking simulated fire down ahead of hose lay end with straight stream
	26a. Fully and slowly
	b. Set on ground
	c. No water hammers
	27a. May remove hose bag off back



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

OPERATIONS	KEY POINTS
28. Unroll Hose #3	28a. Shouts " Hose " loudly b. Parallel to fire, back towards the engine c. Not into the burn d. Completely e. Free from kinks f. Do not drop couplings
29. Clamp charged hose lay	29a. With wildland hose clamp b. At least 18" from nozzle c. Without pinching hose or fingers
30. Open nozzle/bale to relieve pressure	30a. Slowly, completely
31. Remove nozzle/bale	31a. Do not drop the nozzle
32. Attach nozzle with bale shut-off	32a. To Hose #3 male coupling b. Do not cross thread c. Confirm bale shut-off is fully closed
33. Attach in-line hose tee	33a. To Hose #2 male coupling b. Do not drop on ground
34. Connect Hose #3	34a. Female end of Hose #3 to end of hose tee male threads
35. Release wildland hose clamp	35a. Slowly b. Remove from hose completely c. Secure on person or in hose bag
36. Don hose bag on back	36a. Secure bag on back if removed b. Lift with the legs, not with back
37. Open nozzle/bale	37a. Fully and slowly b. Bleed air from hose line c. Do not advance until fully charged
38. Test and adjust nozzle pattern	38a. Straight stream to full fog pattern b. Leave on a medium fog pattern

4307.31.3



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

OPERATIONS	KEY POINTS
39. Resume advancing hoseline	39a. Making a continuous wet line b. Use alternating straight stream to medium fog pattern knocking down simulated fire in advance of hose lay c. Hose at either hip or over the shoulder d. Stop advancing when 10' of slack is left in the hose line e. Knocking simulated fire down ahead of hose lay end with straight stream
40. Instruct engine operator to " Shut Down " water	40a. State loudly or b. Use hand signals
41. Open nozzle/bale to relieve pressure	41a. Completely
42. Remove nozzle with bale shut-off	42a. Do not drop
43. Secure nozzle/shut-off	43a. On person or in hose bag b. Do not drop
44. Break down hose	44a. Disconnect all couplings b. Engine operator shall disconnect hose from engine discharge outlet
45. Return all used hose to engine	45a. To a pre-designated location at the engine b. Use shoulder carry or butterfly figure "8" hose pick-up method c. Do not drop or drag hose or couplings
46. Return nozzle with bale shut-off, hose clamp, hose tee, and hose bag to engine	46a. To a pre-designated location at the engine b. Without dropping equipment
47. Time stops when all hose and equipment is returned to the designated spot marked " X "	47a. No running

4307.31.3



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOW TO MAKE A PROGRESSIVE
HOSELAY-ONE PERSON 300'

APPLICATION:

The student will practice performing the operations in the job breakdown while under supervision.

EVALUATION:

The student will complete a manipulative performance test at a time determined by the instructor.

ASSIGNMENT:

Practice this job in order to prepare yourself for the upcoming performance test. Study for our next session.