



MANIPULATIVE PERFORMANCE TEST

Procedures Handbook 4300

MAKING A PROGRESSIVE
HOSELAY-
ONE PERSON (300')

TOPIC/EQUIPMENT: MAKING A PROGRESSIVE HOSELAY – 300' ONE PERSON

CATEGORY: Performance Examination

POINTS POSSIBLE: 100

TIME ALLOWED: :10

BEHAVIORAL OBJECTIVE:

Condition: A fire engine with operator, a wildland hose clamp, 100' of 1-½" wildland hose in a single donut configuration (starter roll), 1-½" combination nozzle with bale shut-off, a hose bag with 200' of 1-½" wildland hose, a 1-½" to 1" 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' foot progressive hose lay from a clearly marked "anchor point" while applying a continuous wet line to a simulated fireline. The student will then break down and quickly return all hose, brass and clamp to the engine during simulated fire conditions. Running will not be permitted at any time during the examination.

Standard: With a minimum of 80% accuracy, within 10 minutes (00:10:00), according to the score sheet



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MATERIALS NEEDED:

- One (1) fire engine with operator
- One (1) 1-1/2" wildland hose clamp
- One (1) 100' length of 1-1/2" wildland hose (starter roll) in a single donut roll w/rubber band
- One (1) hose bag with 200' 1-1/2" wildland hose in single donut rolls with rubber band
- One (1) 1-1/2" combination nozzle with bale shut-off
- One (1) 1-1/2" to 1" in-line hose tee
- Performance examinations
- Individual score sheets
- One (1) Tape measure
- One (1) stop watch
- One (1) clip board
- One (1) red pen
- Traffic cones, marking paint or chalk
- Appropriate wildland fire safety PPE per CAL FIRE policy

PROCEDURES:

The examination and time will start when the student either verbally or by conduct starts to perform any step of the performance examination.

SCORING:

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. If the student goes over the allotted time he/she will fail the entire examination. Steps designated by a pass/ fail must be performed or the student fails the examination. A score of zero (0) will be given if, during the examination, the student runs or fails to perform any step or procedure that would jeopardize the safety of personnel or damage equipment. This surface should be wetted down prior to testing.



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SPECIAL NOTES:

For testing purposes it is recommended that hose types (CJRL & synthetic) should not be mixed.

Before the examination begins the student will be allowed to ask any clarifying questions and inspect the hose and equipment. The student will be wearing full wildland fire fighting personal protective equipment per CAL FIRE policy. The student shall not run during any portion of the examination.

Once the examination begins, the exam proctor shall not answer any questions or intercede in any way, unless safety violations occur that would injure personnel or damage hose or equipment.

The examination shall take place on level topography on grass or other natural material at least 350 feet in length with stable footing. A marked "anchor point" on the ground using a traffic cone, paint, chalk, etc. will be identified by the exam proctor to the student prior to the exam. An "X" will be marked on the ground 10 feet in front of the fire engine's front bumper using either a traffic cone, or paint, or chalk "X" for depositing the used hose, hose bag, and equipment as indicated in the exam.

If local ordinances do not allow for drill or exam produced fire suppression training water to percolate into the soil, the proctor may have to use a nonporous testing surface such as asphalt or concrete with proper drainage.

Score Sheet

MAKING A PROGRESSIVE HOSELAY-
ONE PERSON (300')

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

STUDENT'S NAME _____

EVALUATOR'S NAME _____

STEPS AND PROCEDURES

POINTS

START TIME

- | | | |
|-----|--|------------------|
| 1. | Unroll Hose #1 (starter roll) completely | <u>5</u> |
| a. | Does not roll hose into burn | |
| b. | Shouts " Hose " loudly | |
| c. | Does not drop couplings | |
| 2. | Hand Hose #1 to engine operator to connect | <u>1</u> |
| 3. | Retrieve 1-½" nozzle with shut-off bale, hose clamp and in-line hose tee from engine's brass compartment | <u>1</u> |
| 4. | Secure hose clamp and hose tee on person or in hose bag | <u>1</u> |
| 5. | Attach nozzle with bale shut-off to Hose #1 | <u>1</u> |
| 6. | Set down nozzle | <u>1</u> |
| 7. | Don hose bag on back | <u>1</u> |
| 8. | Pick up nozzle and instruct engine operator to charge line | <u>Pass/Fail</u> |
| a. | State " Ready for water " | |
| b. | Do not advance uncharged hose | |
| 9. | Open nozzle/bale fully and slowly bleeding air | <u>2</u> |
| 10. | Adjust nozzle pattern (straight stream to full fog, fog to medium fog stream) | <u>1</u> |

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Score Sheet

MAKING A PROGRESSIVE HOSELAY-
ONE PERSON (300')

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- | | | |
|-----|---|----------|
| 11. | Establish an anchor point and advance hose line | <u>5</u> |
| a. | Making a continuous wet line from the marked anchor point | |
| b. | Use alternating straight stream to medium fog pattern knocking simulated fire down while advancing the hose lay | |
| c. | Hose at either the hip or over the shoulder | |
| d. | Stop advancing hose lay when 10' of slack is left | |
| e. | Knocking simulated fire down ahead of hoselay end with straight stream | |
| 12. | Close nozzle/bale: Fully and slowly, set on ground | <u>1</u> |
| 13. | Remove Hose #2 from hose bag. Student may take off the hose bag to remove the hose roll | <u>2</u> |
| 14. | Unroll Hose #2 completely | <u>5</u> |
| a. | Do not roll hose into burn | |
| b. | Shouts " Hose " loudly | |
| c. | Does not drop couplings | |
| 15. | Clamp charged hose lay | <u>5</u> |
| a. | At least 18" from nozzle | |
| b. | Without pinching hose or fingers | |
| 16. | Open nozzle/bale slowly to relieve water pressure | <u>2</u> |
| 17. | Remove nozzle/bale | <u>1</u> |
| 18. | Connect Hose #2 to male end of charged hose lay | <u>1</u> |
| 19. | Attach nozzle/bale shut-off to Hose #2 male coupling | <u>3</u> |
| a. | Confirm bale is closed completely | |
| 20. | Release hose clamp slowly | <u>1</u> |

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|-----|--|------------------|
| 21. | Don hose bag, if hose bag is removed from back | <u>3</u> |
| 22. | Open nozzle/bale slowly to bleed air and to test nozzle pattern (straight stream to fog, fog to straight stream) | <u>3</u> |
| a. | Hose is not advanced until fully charged | <u>Pass/Fail</u> |
| 23. | Test and adjust nozzle pattern (straight stream to full fog, fog to straight stream, leave on medium fog) | <u>1</u> |
| 24. | Resume advancing hose line | <u>5</u> |
| a. | Making a continuous wet line | <u>Pass/Fail</u> |
| b. | Use alternating straight stream to medium fog pattern knocking down fire in advance of hose lay | |
| c. | Stop advancing when 10' of slack is left in hose line | |
| d. | Hose at either the hip or over the shoulder | |
| e. | Knocking simulated fire down ahead of hoselay, end with straight stream | |
| 25. | Close nozzle/bale: Fully and slowly | <u>1</u> |
| 26. | Remove Hose #3 from hose bag or take off the hose bag to remove the hose roll | <u>2</u> |
| a. | Set on the ground | |
| 27. | Unroll Hose #3 completely | <u>5</u> |
| a. | Does not roll hose into the burn | |
| b. | Does not drop couplings | |
| c. | Shouts " Hose " loudly | |
| 28. | Clamp charged hose lay | <u>5</u> |
| a. | At least 18" from coupling | |

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- b. Without pinching hose or fingers
- 29. Open nozzle/ bale slowly to relieve water pressure 3
- 30. Remove nozzle/bale and place on ground 1
- 31. Attach in-line hose tee to Hose #2 male coupling 1
- 32. Connect Hose #3 to male end of in-line hose tee 1
- 33. Connect nozzle/bale to Hose #3 male threads 1
- a. Confirm bale is closed completely
- 34. Release wildland hose clamp 5
- a. Remove from hose slowly and completely
- b. Secure hose clamp on person or in hose bag
- 35. Don hose bag, if hose bag is removed from back 1
- 36. Open nozzle/bale slowly to bleed air and to test nozzle pattern (straight stream to fog, fog to straight stream) 3
- a. Hose is not advanced until fully charged Pass/Fail
- 37. Test and adjust nozzle pattern (straight stream to full fog, fog to straight stream, leave on medium fog) 3
- 38. Resume advancing hose line 5
- a. Making a continuous wet line Pass/Fail
- b. Use alternating straight stream to medium fog pattern knocking down fire in advance of hose lay
- c. Stop advancing when 10' of slack is left in hose line
- d. Hose at either the hip or over the shoulder
- e. Knocking simulated fire down ahead of hoselay, end with straight stream

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Score Sheet

MAKING A PROGRESSIVE HOSELAY-
ONE PERSON (300')

- | | | |
|-----|---|------------------|
| 39. | Instruct engine operator either through hand signals or verbally to “ Shut Down ” water | <u>5</u> |
| 40. | Open nozzle/bale slowly to relieve pressure | <u>1</u> |
| 41. | Remove nozzle with bale shut off | <u>1</u> |
| 42. | Secure nozzle/shut-off on person or hose bag | <u>1</u> |
| 43. | Break down hose | <u>2</u> |
| | a. Disconnect all couplings | |
| | b. Engine operator shall disconnect hose from discharge | |
| 44. | Return all used hose to spot “ X ” ten feet in front of engine’s front bumper | <u>Pass/Fail</u> |
| | a. Carry used hose using either the shoulder carry or the butterfly (Figure 8) method | |
| | b. Do not drop or drag couplings | |
| 45. | Return nozzle with bale shut-off, hose clamp, hose tee, and hose bag to spot “ X ” ten feet in front of engine’s front bumper. | <u>Pass/Fail</u> |
| | a. Without dropping equipment | |

TIME STOPS

TOTAL TIME: _____
POINTS POSSIBLE: 100
POINTS DEDUCTED: _____
FINAL SCORE: _____

COMMENTS:

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