



Fire Protection Training

Procedures Handbook 4300

HOSE APPLIANCES & TOOLS

TOPIC: How to Deploy a Portable Monitor

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A portable monitor, a monitor stand, two spanner wrenches, one pick-head axe, two lengths of hose, full turnouts, and two assistants

Behavior: The student will demonstrate the proper method of setting up and using a portable monitor unit under simulated fire conditions.

Standard: With a minimum of 70% accuracy within 3 minutes 15 seconds

MATERIALS NEEDED:

- Portable monitor
- A monitor stand
- Two spanner wrenches
- One pick-head axe
- Two lengths of hose
- Full turnouts
- Stop watch
- Two assistants and an engine

REFERENCES:

- IFSTA, Hose Practices, 7th Edition, Chapter 7
- IFSTA, Fire Stream Practices, 6th Edition, Chapter 2

PREPARATION:

The master stream is the fire department "big gun". Master streams not only deliver large volumes of water, but they also have greater reach than hand held streams. Flows commonly range from 750 to 1000 gpm. In any situation requiring large volumes of water, firefighters must be able to employ a master stream expeditiously and effectively.

4309.11

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HOW TO DEPLOY A
PORTABLE MONITOR

OPERATIONS

KEY POINTS

- | | |
|--|---|
| <ol style="list-style-type: none">1. Remove equipment from apparatus2. Place equipment on ground3. Remove monitor unit from apparatus4. Place monitor unit in stand5. Place monitor unit in proper position6. Chip surface of asphalt or concrete7. Place monitor stand pins8. Secure anchor hook9. Extend two hose lengths10. Connect hose lines to monitor unit11. Tighten swivel couplings12. Check for tip size13. Signal for water14. Steady monitor | <ol style="list-style-type: none">1a. Pick-head axeb. Spanner wrenches2a. At set up location3a. With assistanceb. Using proper lifting techniquesc. Unit is awkward4a. Locking mechanism in placeb. Locking mechanism latched securely5a. With tip elevated above the 30 degree angleb. Placement may have female swivels facing the fire or female swivels facing away from the fire and tip facing the fire6a. With pick-head axeb. Deep enough to secure stand pins7a. In the chipped spotsb. To prevent movement of monitor while in use8a. When applicable9a. From apparatus pump outletb. To monitor10a. Keeping hose straight for at least 10 feet behind female swivelb. May loop hose for greater stability11a. With spanner wrenches12a. Ensuring proper tip for situation13a. Pump operator14a. One foot on a front leg of the monitor stand |
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KEY POINTS

15. Adjust direction of water flow

stand

- 15a. In a slow, deliberate manner
- b. Not past vertical stops
- c. Not greater than 15o from center on traverse
- d. Do NOT move monitor while flowing water



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HOW TO DEPLOY A
PORTABLE MONITOR

APPLICATION:

Student to practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

POINTS

TIME START

- | | | |
|-----|--|-----------|
| 1. | Remove pick head axe and spanner wrenches from apparatus. | <u>5</u> |
| 2. | Place equipment on ground at set up site. | <u>5</u> |
| 3. | Remove monitor unit from apparatus using both assistants and proper lifting techniques. | <u>10</u> |
| 4. | Place monitor unit in stand securely. | <u>5</u> |
| 5. | Place monitor unit in proper position tip elevated above 30o angle. | <u>5</u> |
| 6. | Chip surface of asphalt or concrete to place monitor stand pins. | <u>5</u> |
| 7. | Place monitor stand pins to prevent monitor movement. | <u>10</u> |
| 8. | Secure anchor hook as needed. | <u>5</u> |
| 9. | Extend two hose lengths in as straight a line as possible in relation to the monitor intake. May loop hose for added stability. | <u>5</u> |
| 10. | Connect hoselines to monitor unit. | <u>10</u> |
| 11. | Tighten swivel couplings with spanner wrenches. | <u>5</u> |
| 12. | Check for tip size and choose appropriate tip for job. | <u>5</u> |
| 13. | Signal to the pump operator for water. | <u>5</u> |
| 14. | Steady monitor with one foot on a front monitor leg. | <u>10</u> |
| 15. | Adjust direction of water flow slowly and deliberately not to exceed vertical stops and not greater traverse than 15o from center. | <u>10</u> |

TIME STOP

ENTER TOTAL TIME: _____:

POINTS

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
