



Fire Protection Training

Procedures Handbook 4300

PUMPING

TOPIC: HOW TO SPOT AN ENGINE CLOSE TO A HYDRANT

TIME FRAME: :30

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: An engine, a hydrant, a hydrant wrench and a 20' section of 2 ½" soft suction hose

Behavior: Student will spot apparatus close to a hydrant.

Standard: With a minimum of 70% accuracy within 2 minutes

MATERIALS NEEDED:

- One (1) Engine
- One (1) Hydrant
- One (1) Hydrant wrench
- One (1) 20' section of 2 ½" soft suction

REFERENCES:

- IFSTA, Fire Department Pumping Apparatus, 7th Edition, Chapter 4

PREPARATION:

In order for a vehicle operator to provide water for fireground operations the operator must first obtain it. Spotting the apparatus is the process of locating the vehicle close enough to the water source to safely conduct pumping operations yet far enough away to give working room. Developing this ability is a skill. Since people tend to do best what they do most, practice spotting sources!

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HOW TO SPOT AN ENGINE
CLOSE TO A HYDRANT

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Drive forward to hydrant | 1a. Slowly
b. Watching for traffic
(1) Vehicular
(2) Pedestrian
c. Use all mirrors |
| 2. Turn front wheels to curb | 2a. 45 degree angle
(1) Safety
(2) Easier to adjust hydrant to engine distance |
| 3. Park engine | 3a. Within reach of:
(1) Soft suction
(2) Hard suction
b. Aligned with hydrant outlet
(1) Prevent kinks in suction hose
c. Out of water path when hydrant flushed |
| 4. Place transmission in neutral | |
| 5. Set spring brake | |
| 6. Set main engine idle at 1000 RPM (if appropriate). | 6a. Not necessary in all engines |
| 7. Set chocks | 7a. In accord with CDF policy |
| 8. Open hydrant and flush | 8a. Slowly
b. Fully
c. Until rust and visible debris are flushed. |
| 9. Close hydrant | 9a. Slowly
b. Fully |
| 10. Make connection | 10a. To hydrant
b. To engine |

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OPERATIONS

KEY POINTS

11. Charge line

- 11a. Open hydrant slowly
- b. Should be free of leaks at connections
- c. Should be free of kinks in suction hose

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APPLICATION:

The students will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).