



FIRE PROTECTION TRAINING

Procedures Handbook 4300

HOSE

TOPIC: How To Wye One Line Into Two Lines

TIME FRAME: :15

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: One length of 2-½" hose and two lengths of 1-½" hose, a 2-½" x 1-½" x 1-½" gated wye, and two 1-½" nozzles pre-positioned at the test site

Behavior: The student will wye one line into two lines using a 2-½" x 1-½" x 1-½" gated wye under simulated fire conditions.

Standard: With a minimum of 80% accuracy within 60 seconds

MATERIALS NEEDED:

- One length of 2-½" hose
- Two lengths of 1-½" hose
- 2-½" x 1-½" x 1-½" gated wye
- Two 1-1/2" nozzles

- Performance examinations
- Individual score sheets
- One (1) stop watch
- One (1) clip board
- One (1) red pen
- Appropriate fire safety PPE per CAL FIRE policy

REFERENCES:

- IFSTA, Hose Practices, 7th Edition, Chapter 6
- IFSTA, Essentials of Fire Fighting, 5th Edition, Chapter 13



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PREPARATION:

Certain occasions make it desirable to divide a hose line into two or more hose lines on the fireground. Various types of wye connections are available that will allow you to do this. The most common being the 2- $\frac{1}{2}$ " x 1- $\frac{1}{2}$ " x 1- $\frac{1}{2}$ " gated wye. This appliance is used to divide a 2- $\frac{1}{2}$ " line into 2 more easily handled 1- $\frac{1}{2}$ " lines.



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HOW TO WYE ONE LINE INTO
TWO LINES

OPERATIONS	KEY POINTS
<ol style="list-style-type: none">1. Obtain and inspect gated wye2. Position gated wye3. Position (input) supply hose4. Position (output) discharge hoses5. Attach gated wye to 2-½" or 3" line6. Position gate valves7. Attach two 1-½" lines to gated wye8. Attach two 1-½" nozzles to 1-½" hoselines	<ol style="list-style-type: none">1a. Threadsb. Gasketsc. Operation of gatesd. Free swivele.e. 2-½" x 1-½" x 1-½"2a. Center of test site3a. Fully extended from engine to gated wyeb. 2 ½" or 3" inch female coupling adjacent to enginec. Male coupling adjacent to gated wye4a. Parallelb. Fully extendedc. Female couplings adjacent to gated wye male couplings5a. Male couplingb. Foot tilt methodc. Hand tighten6a. To desired position, open or closed7a. Foot tilt methodb. Foot tilt rill raise wye enough to connect 1-½" hosec. Counter clockwise until clickd. Hand tighten in clockwise direction8a. Counter clockwise until clickb. Clockwise until hand tight



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HOW TO WYE ONE LINE INTO
TWO LINES

APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).