

Operate a Water Tender on Pavement

Activity 3-1(a)

Format: Individual

Time Frame: Open (based on a total of 23 hours for skills practice and completion)

Description

This activity provides students with an opportunity to operate a water tender on pavement in compliance with all applicable AHJ rules and regulations and operational limitations of the apparatus.

Standard of Completion

Operate a water tender, given a water tender, a predetermined route on a paved public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operation, applicable laws and regulations, and AHJ policies and procedures, so that the water tender is operated in compliance with all applicable jurisdictional rules and regulations and operational limitations of the water tender. (OSFM)

Materials

- Water tender
- Designated area for on-pavement driving (driving course requirements are listed below)
- Spotter
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. The on-pavement driving course shall include the following driving situations essential to driver/operator skills:
 - Navigating tight turns
 - Merging onto the freeway
 - Dealing with overpasses
 - Turn radius
 - Stopping distance and braking techniques
2. Demonstrate for the students before they practice and complete each skill.

Operate a Water Tender off Pavement

Activity 3-1(b)

Format: Individual

Time Frame: Open (based on a total of 23 hours for skills practice and completion)

Description

This activity provides students with an opportunity to operate a water tender off pavement in compliance with all applicable AHJ rules and regulations and operational limitations of the apparatus.

Standard of Completion

Operate a water tender, given a water tender, a predetermined route off of a public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operation, applicable laws and regulations, and AHJ policies and procedures, so that the water tender is operated in compliance with all applicable jurisdictional rules and regulations and operational limitations of the water tender. (OSFM)

Materials

- Water tender
- Designated area for off-pavement driving (driving course requirements are listed below)
- Spotter
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. The off-pavement driving course shall include the following driving situations essential to driver/operator skills:
 - Loose or wet soil
 - Steep grades (40%; not to exceed manufacturer's recommendation fore and aft)
 - Limited sight distance
 - Blind curve and mid-slope in-turns
 - Vehicle clearance obstacles (height, width, undercarriage [break-over], angle of approach, angle of departure, gates and fences)
 - Limited space for turnaround
 - Side slopes (15% side to side; not to exceed manufacturer's recommendation fore and aft)
 - Varying types of road surface (washboard, heavy silt, gravel, and transitioning from gravel to pavement)
 - Stopping distance and braking techniques
2. Demonstrate for the students before they practice and complete each skill.

Maneuver and Position a Water Tender at a Water Shuttle Fill Site

Activity 3-2

Format: Individual

Time Frame: Open (based on a total of 23 hours for skills practice and completion)

Description

This activity provides students with an opportunity to maneuver and position a water tender at a water shuttle fill site.

Standard of Completion

Maneuver and position a water tender at a water shuttle fill site, given a water tender, fill site location, and one or more supply hose, so that the water tender is positioned, supply hoses are attached to the intake connections without having to stretch additional hose, and no objects are struck at the fill site. (NFPA 1010 (2024) / Paragraph 17.4.1)

Materials

- Water tender
- Fill site location
- One (1) or more supply hose
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate the skill for the students before they practice and complete each skill.

Establish a Water Shuttle Dump Site

Activity 3-4

Format: Individual

Time Frame: Open (based on a total of 23 hours for skills practice and completion)

Description

This activity provides students with an opportunity to establish a water shuttle dump site.

Standard of Completion

Establish a water shuttle dump site, given one or more water tenders, two or more portable water tanks, low-level strainers, hard suction hose, fire hose, and a fire apparatus equipped with a fire pump, so that the tank being drafted from is kept full at all times, the tank being dumped into is emptied first, and the water is transferred from one tank to the next. (NFPA 1010 (2024) / Paragraph 17.4.3)

Materials

- Water tender
- Two (2) or more portable tanks
- Low-level strainers
- Water transfer equipment
- Fire hose
- Pumping apparatus
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate the skill for the students before they practice and complete each skill.

Maneuver and Position a Water Tender at an Established Water Shuttle Dump Site

Activity 3-5

Format: Individual

Time Frame: Open (based on a total of 23 hours for skills practice and completion)

Description

This activity provides students with an opportunity to maneuver and position a water tender at an established water shuttle dump site.

Standard of Completion

Maneuver and position a water tender at a water shuttle dump site, given a water tender, a dump site and a portable water tank, so that all of the water being discharged from the water tender enters the portable tank and no objects are struck at the dump site. (NFPA 1010 (2024) / Paragraph 17.4.2)

Materials

- Water tender
- Established water shuttle dump site
- Portable water tank
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate the skill for the students before they practice and complete each skill.