

	<b>Queen Anne's County Fire &amp; EMS Commission Operations Manual</b>	No. <b>06.24</b>
		Effective Date: October 1, 2020
	<b>Aerial Apparatus Standards</b>	Revised Date:

**I. SCOPE**

- A. This standard applies to all Queen Anne's County Fire Department's.

**II. PURPOSE**

- A. To establish standards for an Aerial Apparatus.

**III. RESPONSIBILITY**

- A. All Queen Anne's County Fire Department's will be responsible for ensuring strict adherence to this standard.

**IV. STANDARD**

- A. The vehicle shall consist of a motorized piece of apparatus of minimum capacity to carry the equipment listed below without being overloaded. The Vehicle shall meet DOT specifications and shall not exceed chassis manufacture's GVW. The vehicle shall be equipped with an audible back-up alarm and necessary warning devices. It must be registered as an emergency vehicle and meet all codes of the Maryland Vehicle Administration.
- B. To be numbered with Truck, Tower or Quint and 1- digit number.
  - 1. Example; Truck 2, Tower 4, Quint 6

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C. Minimum required equipment to be carried.

1. One (1) two-way radio to meet county standards and a portable radio for each seat that contains an SCBA including the driver's seat.
2. Four (4) portable hand lights with mounting brackets and chargers.
3. A minimum of four (4) positive pressure self-containing breathing apparatus, certified for 30 minutes or more of operation, with alarms or timers and spare cylinders for each. Recommend one SCBA for every seated position on apparatus. All self-contained breathing apparatus must meet NFPA 1981 and 1982.
4. QAC ADC map book and all other counties in which you respond to, or an electronic GPS mapping device.
5. One (1) Emergency Response Guidebook to Hazardous Material for First Responders.
6. One first aid kit and oxygen with liter flow.
7. Four (4) sprinkler wedges or stops.
8. One (1) set emergency road triangles.
9. Two (2) wheel chocks.
10. Axes; One (1) pick axe and One (1) flathead axe
11. Bolt cutters; one (1) 24" large pair & one (1) 14" small pair.
12. Electrical; one (1) 5,000 Watt stationary or portable generator with 200' electrical line with twist lock connectors, one (1) 3-way electrical junction box and assorted pigtail adaptors. Four (4) portable lights, two (2) will be corded electrical lights with twist lock connectors, the other two (2) may be battery operated lights. Minimum of two (2) cord reels or one for each corded light, each reel will have a 100' minimum electrical line.
13. Extinguishers; one (1) 20 lb. Dry chemical, one (1) 20 lb. Co2 and one (1) 2.5-gallon water can.
14. Fans; Minimum of two (2), explosion proof 16" or larger smoke ejector or positive pressure fan.
15. Forcible entry; two (2) 24" Forcible entry bars, one (1) hydraulic forcible entry tool.

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16. One (1) 48" pry bar.
17. Two (2) crowbars, one (1) large and one (1) small.
18. One (1) 10 lb. sledge hammer.
19. Hooks; Minimum of two (2) 6', two (2) 10' and two (2) 12' Hooks or pike poles.
20. Ladders; 163' of ground ladders (both extension & straight to be made of aluminum). Quints on a single rear axle may have a minimum of 115'. Must have one (1) thirty-five (35') foot extension ladder.
21. One (1) 10' folding attic ladder.
22. One (1) 75' minimum aerial device to be tested every two years (steel or aluminum.)
23. One (1) ladder pipe, pre-pipe water way (minimum size of 3") or if not pre-pipe enough 3" hose to supply ladder pipe.
24. One (1) set of stacked tips for ladder pipe.
25. One (1) adjustable fog nozzle for ladder.
26. Two (2) ladder belts
27. Rope; Two (2) 150' lengths of 9000lb static kern mantle rope.
28. Saws; one (1) rescue type circular saw assorted tips/blades, two (2) chain saw, gas, oil, extra blades, extra chains.
29. Shovel; one (1) long handle flat shovel, and two (2) scoop shovels.
30. Two (2) street brooms.
31. Small Tools; one tool kit containing a 2lb. hammer, a claw hammer, 8" crescent wrench, one pair of tin snips, two (2) 8" or larger pipe wrench, pair of needle nose pliers, Allen wrenches, 3/8" and 1/2" standard/metric socket set with regular and deep-well sockets, seat belt cutter, standard screwdrivers, Philips-head screwdriver (all minimum).
32. One (1) staple gun with extra staples and a pair of scissors.
33. One (1) roll polyethylene (1200 sq. ft.)
34. Four (4) salvage covers, 12' x 18' minimum size.
35. Two (2) 10-quarts galvanized metal buckets.
36. One (1) chimney sweep.
37. One (1) pair heat-resistant gloves.
38. One (1) adjustable hydrant wrench.
39. Two (2) 2.5" universal spanner wrenches and two (2) LDH spanner wrenches.

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D. Additional equipment needed for Quints, Towers and Trucks with pumps.

40. Two (2) 2.5" double male coupling.
41. Two (2) 2.5" double female coupling.
42. One (1) reducer 2.5" female to 1.5" male.
43. One (1) 2.5" wye reducer with two 1.5" shut off discharges.
44. Two (2) hose straps.
45. 1000' of same size hose, 3" with NST coupling or larger hose with storz couplings.
46. 400' of 1.5" to 2" hose nst coupling.
47. Two (2) 1.5" nozzles shut off type, 95 gpm minimum combination nozzle.
48. A motor pumper of at least 1250 gpm capacity
49. Minimum water tank size of 500 gallons.

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William H. Faust, Chairman  
Queen Anne's County Fire & EMS Commission