	<b>Queen Anne's County Fire &amp; EMS Commission Operations Manual</b>	No. 06.04
		Effective Date: May 2, 2013
	<b>Engine/Tanker Standards</b>	Revised Date: February 6, 2020

**I. SCOPE**

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

**II. PURPOSE**


- A. To establish standards for a Engine/Tanker.

**III. RESPONSIBILITY**

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


**IV. STANDARD**

- A. A motor pumper of at least 1250 gpm capacity listed by the Maryland Rating Bureau or its successors and registered as an emergency vehicle with Maryland Motor Vehicle Administration or its successors. This pumper shall be qualified for acceptance by means of an acceptance test if new and a service test if used. The Engine-Tanker will be in good condition and not loaded beyond the maximum allowable gross vehicle weight. It shall be equipped as follows 2500 gallon or larger tank.
- B. Tankers with 2500 gallons or more of water meeting Class A Engine Standard, to be numbered with single digit.
  - 1. Example; Engine-Tanker 9.


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C. Minimum required equipment to be carried.

1. Tank capacity of 2500 or larger useable gallons of water.
2. Pump capacity of 1250 gpm or greater. Shall have a minimum of one (1) discharge piping of 4" or greater, with a storz coupling (4" or larger).
3. Minimum of one (1) 5" gated discharge gravity or jet dump.
4. Tank fill of 1000 gpm or greater.
5. 20' of hard suction hose and strainer.
6. 15' to 20' soft suction hose with 4.5" NST coupling and barrel size on the opposite end.
7. 1000' of same size hose, 3" with NST couplings or larger hose with storz couplings.
8. Two (2) 200' or longer of 1.5" to 1.75" (NST coupling) hose pre-connected to the apparatus. Hose is to be equipped with two (2) 1.5" nozzles shut off type, 95 gpm minimum combination nozzles.
9. 200' minimum of 2.5" or 3" hose (NST couplings) pre-connected to apparatus and equipped with a 2.5" nozzle shut off type, with a combination nozzle or smooth bore stack tips from 1", 1 1/8" and 1 1/4".
10. One (1) 14' minimum roof ladder with folding hooks (fire service approved).
11. One (1) 24' minimum extension ladder (fire service approved).
12. One (1) 10' minimum folding (attic) ladder or equivalent attic ladder (fire service approved).
13. Two pike poles or hooks, one 6' and one 8' minimum.
14. Two (2) forcible entry bars, 24" minimum
15. One (1) pair of large bolt cutters.
16. One (1) pick head axe
17. One (1) flat head axe.
18. One (1) 2.5" double male coupling.
19. One (1) 2.5" double female coupling.
20. One (1) 2.5" wye reducer with two 1.5" shut off discharges.
21. One (1) reducer 2.5" female to 1.5" male nst.
22. One (1) reducer, double female from suction size to 2.5" nst with swivel.
23. One (1) reducer, double female from suction size to 4.5" nst.
24. One (1) 5" to 4" storz reducer.
25. One (1) 4" or 5" storz to two (2) 2.5" NST gated wye valve.

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26. Two (2) 2.5" female NST to 3" storz
27. Two (2) 2.5" male NST to 3" storz
28. Four (4) 2.5" universal spanner wrenches and four (4) LDH spanner wrenches.
29. Two (2) adjustable hydrant wrenches.
30. Two (2) salvage covers, 12' x 18' minimum.
31. Four (4) hose and ladder straps.
32. One (1) rubber mallet.
33. 100' of ½" utility rope
34. One first aid kit and oxygen with liter flow.
35. Two (2) portable hand lights with mounting brackets and chargers.
36. Two (2) portable extinguishers, one (1) 80 BC rating powder type, one (1) 2 ½ gallon pressurized water can or two (2) 80 BC powder type.
37. 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 (1) SCBA for every seated position on apparatus. All self-contained breathing apparatus must meet NFPA 1981 and 1982.
38. Warning signals (light, bell, Whistle, siren) to be in good working condition.
39. Audible back up alarms on all apparatus.
40. All equipment to be maintained and in good working order, at all times.
41. Two (2) wheel chocks mounted in readily assessable location.
42. Eight (8) 30 minute flares or five (5) fluorescent orange traffic cones, no less than twenty-eight (28) inches in height.
43. One set emergency road triangles (3)
44. Two (2) sprinkler wedges or stops.
45. Two (2) 10 quart galvanized metal buckets.
46. 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.
47. All apparatus shall meet Maryland DOT standards with lighting, axle loads, tire size, frame capacities, height, length, width, etc.
48. Annual testing of all Engine/Tankers pumps and fire hose to meet NFPA 1901 or revised editions. Annual compliance to be handled by Queen Anne's County Fire and EMS Commission (FEC).
49. QAC ADC map book and all other counties in which you respond to, or an electronic GPS mapping device.
50. 15 gallon of foam must be carried on the Class A pumper which responds on haz-mat boxes. If not pre-piped, must have foam eductor.

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51. One (1) Emergency Response Guidebook to Hazardous Material for First Responders.
52. One (1) pair of binoculars. (NOT optional after January 2020)
53. One (1) roll fire line tape. (NOT optional after January 202)
54. One (1) portable or truck mounted generator minimum 5000 watt. (Optional after January 2020)
55. Two (2) cords reels with a minimum of 75 ft electric cord each reel. (Optional after January 2020)
56. After January 2020, if not equipped with a generator, lines 57 and 58 must be capable to operate off battery power.
57. Two (2) floodlights, Circle D or equivalent.
58. One (1) Positive pressure fan or one (1) smoke ejector with explosion prof motor.

**V. Grandfather Clause**

- A. Permanently mounted equipment (pumps, generator, cascades, etc.) on apparatus in-service prior to February of 2020, that doesn't meet this standard will be grandfather in.

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