	<b>Queen Anne's County Fire &amp; EMS Commission Operations Manual</b>	No. 06.04
	<b>Engine/Tanker Standards</b>	Effective Date: May 2, 2013  Revised Date: January 9, 2014

**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 1000 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. Tanker with 2500 gallons or more that meets Class A Engine Standards Engine/Tanker with single digit or straight tanker.
  - 1. Example; Engine Tanker 9.
- C. Minimum required equipment to be carried.
  - 1. Pump 1000 gpm with relief valve and one 2.5" gated inlet and two 2.5" discharges or PTO pump used with jet dump capable of dumping 500 gpm. All threads to be NST.
  - 2. Minimum of one 4.5 gated discharge gravity or jet dump.

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3. 20' of hard suction hose and strainer to comply with NFPA recommendations in existence at the time apparatus was built.
4. 1200' 3" (nst coupling) or larger hose with storz couplings.
5. 400' of 1.5" to 2.5" hose (nst couplings.)
6. 150' of 3/4" or larger hose pre-connected to apparatus and equipped with combination fog and straight stream nozzle.
7. One 14' minimum roof ladder with folding hooks and one 10' folding ladder.
8. One 24' minimum extension ladder (fire service approved.)
9. Two pike poles one 6' and one 8' minimum.
10. One forcible entry bar, 30" minimum and one pair of large bolt cutters.
11. One pick head axe and one flat head axe.
12. Two 2.5" shut off type nozzle with combination 200 gpm and one 2.5" straight stream nozzle with shut off with 1", 1 1/8" and 1 1/4" tips.
13. Two 1.5" nozzles shut off type, with combination fog and straight stream, 95 gpm.
14. One 2.5" double male coupling.
15. One 2.5" double female coupling.
16. One 2.5" wye reducer with two 1.5" shut off discharges.
17. One reducer 2.5" female to 1.5" male nst.
18. One reducer, double female from suction size to 2.5" nst with swivel.
19. One reducer, double female from suction size to 4.5" nst.
20. Four 2.5" or greater spanner wrenches.
21. Two adjustable hydrant wrenches.
22. Two salvage covers, 12' x 18' minimum.
23. Four ladder straps, or rope and chain hose tools.
24. 125' of 9000 lb. Static kern mantle life line.
25. One broom.
26. One shovel.
27. One first aid kit (NFPA 1903) oxygen with liter flow.
28. Four portable hand lanterns with mounting brackets and chargers.
29. Two portable extinguishers, one 80 bc rating power type, one 10bc Co2 type or two 80 bc power type.
30. A minimum of four 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 have pass device.

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31. Warning signals (light, bell, Whistle, siren) to be in good working condition.
32. Audible back up alarms on all apparatus.
33. All equipment to be maintained and in good working order at all times.
34. Two wheel chocks mounted in readily assessable location.
35. One 2.5" underwriters relay fitting with shut off gate and 2.5" swivel female nst threads pre-connected to pump.
36. Eight 30 minute flares.
37. One set emergency road triangles (3)
38. One rubber mallet.
39. One generator 2500 watt and two floodlights. Circle d or equivalent.
40. One smoke ejector with explosion prof motor or positive pressure fan.
41. Two cords reels with a minimum of 75 ft electric cord each reel.
42. Two sprinkler wedges or stops.
43. Two 10 quart buckets.
44. Assorted spare hose gaskets.
45. One two way radio to meet county standards and a portable radio with charger for each seat that contains an SCBA including the driver's seat.
46. All apparatus shall meet Maryland DOT standards with lighting, axle loads, tire size, frame capacities, height, length, width, etc.
47. Annual testing of all Class A pumpers and fire hose to meet NFPA 1901 or revised editions. Annual compliance to be handled by Queen Anne's County Fire and EMS Commission Standards Committee.
48. QAC ADC map book and all other counties in which you respond to
49. 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 educator.
50. One (1) Emergency Response Guidebook to Hazardous Material for First Responders.

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51. Optional Equipment.

- a. One bag sorbent dust.
- b. Five heavy duty plastic trash bags 30 gallon minimum.
- c. One street broom.
- d. One non-spark shovel.
- e. One roll duct tape.
- f. One roll fire line tape.
- g. One pair binoculars.
- h. One leak/plug kit.
- i. One Mop.

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