	Queen Anne's County Fire & EMS Commission Operations Manual	No. 06.02
	Class A Engine Standards	Effective Date: May 2, 2013 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 Class A Engine.

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 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 pumper shall be in good operating condition, not loaded beyond the maximum allowable gross weight. It shall be equipped as follows.
- B. All engines with less than 2,500 gallons of water to be numbered with 2-digit number per your station.
 - 1. Example; Engine 21 - Engine 29.
- C. Minimum required equipment to be carried.
 - 1. 20 ft. of hard suction hose and strainer.
 - a. 15' to 20' soft suction hose with 4.5" nst coupling and barrel size on the opposite end.

	Queen Anne's County Fire & EMS Commission Operations Manual	No. 06.02
	Class A Engine Standards	Effective Date: May 2, 2013 Revised Date: February 6, 2020

2. Booster tank to have a minimum capacity of 750 gallons of water.
3. 1000' of same size hose, 3" with NST coupling or larger hose with storz couplings.
4. Two (2) 200' or longer of 1.5" to 1.75" (NST couplings) hose pre-connected to the apparatus. Hose is to be equipped with two 1.5" nozzles shut off type, 95 gpm minimum combination nozzle.
5. One (1) 200' minimum of 2.5" or 3" hose (NST couplings) pre-connected to apparatus and equipped with a 2.5" nozzle shut of type, with a combination nozzle or smooth bore stack tips from 1", 1 1/8" and 1 1/4".
6. One 14' minimum roof ladder with folding hooks (fire service approved).
7. One 24' minimum extension ladder (fire service approved).
8. One 10' minimum folding (attic) ladder or equivalent attic ladder (fire service approved).
9. Two (2) pike poles or hooks one 6' and one 8' minimum.
10. Two (2) forcible entry bars, 24" minimum.
11. One (1) pair of large bolt cutters.
12. One (1) pick head axe.
13. One (1) flat head axe.
14. One (1) 2.5" double male coupling.
15. One (1) 2.5" double female coupling.
16. One (1) 2.5" wye reducer with two 1.5" shut off discharges.
17. One (1) reducer 2.5" female to 1.5" male NST.
18. One (1) reducer, double female from suction size to 2.5" NST with swivel.
19. One (1) reducer, double female from suction size to 4.5" NST.
20. One (1) 5" to 4" storz reducer.
21. Four (4) 2.5" universal spanner wrenches and four (4) LDH spanner wrenches.
22. Two (2) adjustable hydrant wrenches.
23. Two (2) salvage covers, 12' x 18' minimum.
24. Four (4) hose and ladder straps.
25. One (1) rubber mallet.
26. Mutual-aid Hydrant adaptor, if your department runs into a fire district with a different hydrant thread. (example: station 3 has a 4" to 4.5" for station 4 older hydrants.)

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		Effective Date: May 2, 2013
	Class A Engine Standards	Revised Date: February 6, 2020

27. 100' of ½" utility rope.
28. One first aid kit and oxygen with liter flow.
29. Two (2) portable hand lights with mounting brackets and chargers.
30. 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.
31. 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.
32. Warning signals (light, bell, whistle, and siren) to be in good working condition.
33. Audible back up alarms on all apparatus.
34. All equipment to be maintained and in good working order at all times.
35. Eight (8) 30 minutes flares or five (5) fluorescent orange traffic cone, no less than twenty-eight (28) inches in height.
36. One set emergency road triangles (3.)
37. Two (2) sprinkler wedges or stops.
38. Two (2) 10 quarts galvanized metal buckets.
39. Two (2) wheel chocks.
40. 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.
41. All apparatus shall meet Maryland DOT standards.
42. 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, EMS Commission (FEC).
43. QAC ADC map book and all other counties in which you respond to, or an electronic GPS mapping device.
44. 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.
45. One (1) Emergency Response Guidebook to Hazardous Material for First Responders.

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		Effective Date: May 2, 2013
	Class A Engine Standards	Revised Date: February 6, 2020

- 46. One pair of binoculars.
- 47. One roll fire line tape.
- 48. One portable or truck mounted generator minimum 5000 watt. (optional after January 2020)
- 49. Two cords reels with a minimum of 75 ft electric cord each reel. (optional after January 2020)
- 50. After January 2020, if not equipped with a generator. Lines 51 and 52 must be capable to operate off battery power.
- 51. Two floodlights, Circle D or equivalent.
- 52. Positive pressure fan or one smoke ejector with explosion prof motor.

V. Grandfather Clause

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

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