Title: Rescue Engine Standard {NIMS Type I Engine}

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APPARATUS MINIMUM STANDARD:

_____ 1 Washington County Fire & Rescue Mobile Radio {w/ outside speaker & mike or wireless capabilities}

_____ 3 Washington County Fire & Rescue portable radios

_____ x Audible back-up alarm

_____ x Chevron's {After January 1, 2009} – {See Notes 1-5 below}

_____ x DOT Inspection – {See Note 6 below}

_____ 3 DOT warning reflective triangles

_____ 1 Emergency Response Guide {ERG} - Current Edition

_____ 1 Evacuation horn mounted/secured in area of driver’s seat or cab area

_____ x GVWR - Copy of certified weight slip of the apparatus that detail the actual weight of the (1) front axle, (2) rear axle and (3) total vehicle weight. These weights will be taken with all equipment on unit/mounted. Preferred to have National Certified Scales used.
{Weight slip will be required when 1st inspected and any change in service delivery, recommended for every 3rd year}

_____ x Hearing protection for all riding positions, sterile soft ear plugs are acceptable – {shall be in cab with personnel}

_____ x Personnel Accountability Collector ring(s) for the PAT’s with the unit designation attached to it

_____ x Registered as an Emergency Vehicle with the State of Maryland

_____ x Safety Equipment per NFPA 1500 & 1901 – {See Note 7 below}

_____ x Safety Glasses, approved - one for each riding position {i.e. ANSI Z87.1}

_____ x Safety restraints for all riding positions
Traffic Vests {1} for each seating position, each vest to comply with ANSI/ISEA 207, Standard for High-Visibility Public Safety Vests, and have a five-point breakaway feature that includes two at the shoulders, two at the sides, and one at the front.

Vehicle Registration Card

Warning signals, {Light, bell, siren, whistle} audible and visible in proper working condition

1 Washington County Risk Management Accident Information Packet

2 Wheel chocks – {mounted in readily accessible location(s)}

**Electrical Items:**

1 All plugs & receptacles will be standard NEMA L515 or NEMA L520 {after 07/01/2014}

Electrical cord reel, 100’ {10-3 ga.}

Electrical junction box

Generator, 5,000 watt rating {5kw}

Household/fire service pigtail adapters {3 prong twist 14-3 ga.}

2-male house to female fire service receptacle

2-female house to male fire service receptacle

2 Portable electrical cord reels, 50’ {14-3 ga.}

2 Portable flood lights, 500 watt or equivalent

Portable hand lights, fire service rated - one for each riding position

Stationary lighting, 1000 watt or equivalent

**Equipment Minimum's:**

Absorbent {Bags/Containers with disposable bags for contaminated materials}

{Equivalent of one (1) 5 gallon pail}

Axe, flat head

Axe, pick head

Bolt cutter, 24”

Can of florescent orange spray paint {building ID or safety zones}

Chain Saw & approved safety gas can {True Fuel is approved}

Extinguisher, 15lb approved operational CO2

Extinguisher, water 2 ½ gallon approved
1. Extinguisher, dry chemical 20lb rating
2. Floor Runners, 8’ length (standard size)
2. Forcible entry tools, 30” (Halligan Bar, Punch Bar, Pry Bar, or Equivalent)
1. Gas monitor (4 gas analyzer - w/the following sensors, Oxygen, LEL, Carbon Monoxide & Hydrogen Sulfide)

1. Hydraulic Jack (3 ton)
2. Hydrant Wrenches
1. “K” tool door opener or Equivalent (i.e. Hydra ram, rabbit tool, Weddle tool, etc)
1. Ladder - Extension – 24’
1. Ladder - Folding – 10’
1. Ladder - Roof straight with folding hooks – 14’
1. Pike pole/APH (All purpose hook) 6’
1. Pike pole/APH (All purpose hook) 8’
1. Reciprocating saw w/assorted blades (Sawz-All) with 5 spare metal blades minimum
1. Rubber Mallet
2. Salvage covers (12’x12’) minimum

= 12 SCBA approved 30 minute (minimum) w/spare bottle for each riding position (Does not include front facing flip down seats)
1. Shovel – Flat or Scoop
1. Sledge hammer or equivalent, 8lb.
1. Smoke Ejector or PPV Fan (Minimum 5,000 CFM's)
4. Spanner wrenches – combination
1. Street broom
5. Traffic cones – fluorescent orange not less than 28” in height, each equipped with a 6” retroreflective white band no more than 4” from top of the cone, and an additional 4” retroreflective white band 2” below the 6” band.

x Wood plugs, assorted sizes

**Extraction/Additional Equipment:**

2. Center punch, spring loaded

1. Come-a-long 1 ½ ton chain/cable

20. Cribbing blocks 4x4 - minimum 18”, recommend 24” with handles
   - *Southern Yellow Pine or Douglas Fir*

4. Cribbing blocks 6 X 6 - minimum 24” *Southern Yellow Pine or Douglas Fir*

1. Hydraulic cutter, *combination spreader/cutter may not be substituted*

2. Hydraulic hose 16 ft. minimum *color coded*

1. Hydraulic power unit *capable of running 2 tools at the same time*

1. Hydraulic ram

1. Hydraulic spreader, *combination spreader/cutter may not be substituted*

1. Seat belt cutter

8. Step chocks for stabilization

2. Tension-butress-stabilization system with appropriate strapping *i.e. Rescue 42's, general struts, etc*

1. Vehicle lock-out kit *slim Jim/Big EZ*

x Wedges, Assorted (i.e. 4x4) *8 married pairs of shims of SYP or Douglas Fir*
Fire Suppression Function & Equipment:

1. Adapter - 1 1/2” double female
2. Adapter - 2 1/2” double females
2. Adapter - 2 1/2” double males
1. Adapter - 2 1/2” female to 1 1/2” male
1. Adapter - 2 1/2” female to LDH your unit is carrying
1. Adapter - 2 1/2” male to LDH your unit is carrying
1. Adapter - Double gated wye 2 1/2” x (2) 1 1/2”
1. Adapter - Gate value 2 1/2”
1. Hard suction hose 20 ft. & strainer with hydrant pump intake

X Hose, 1.5” minimum, capable of flowing at least 125 GPM – 500 ft. {Pre Connected}
X Hose, 2” minimum, capable of flowing at least 250 GPM – 200 ft. {Pre Connected}
X Hose, 3” minimum – 1200 ft. supply line {LDH recommended}

2. Ladder strap, chain, rope or webbing hose tool
3. Nozzles 1 1/2”, shutoff type, with combination fog & straight stream, 125 GPM
1. Nozzle 2 1/2” or equivalent, shutoff type, with combination fog & straight stream, 250 GPM
1. Master stream device {Only one (1) required per department}

X Pump Capacity, 1000 GPM
4. Ropes - 50’ - Utility
1. Tank Capacity, 500 Gallon
Tool Box Minimum Standard:

- Allen wrench - Set
- Aviator/Tin snips
- Chisel, Cold 3/4”
- Crescent wrench, 08”
- Crescent wrench, 10”
- Crescent wrench, 12”
- Hacksaw, w/6 extra high speed blades
- Hammer, 2 lb.
- Pipe Wrench, 8” or 10”
- Pipe wrench, 14”
- Pliers regular 6”
- Pliers Channel Locks, 10”
- Pliers diagonal cutters
- Pliers Lineman’s, 9”
- Pliers needle nose, 6”
- Screwdrivers Phillips head
- Screwdrivers Standard
- Sockets metric 3/8” drive regular and deep well sockets
- Sockets standard 3/8” drive regular and deep well
- Vise grips, 10” self-locking
- Wrenches, combination - assorted sizes {standard & metric}
**EMS Equipment Minimum Standard:**

- 1 Automatic external defibrillator (AED)
- 2 Duct tape 2" Roll
- 1 First Aid Kit – {Meets MIEMSS BLS Ambulance first aid kit}
- 1 Maryland triage kit {Fanny Pack} (50 Triage Tags)
- 1 Spinal immobilization long boards – {Full set-up to include head immobilization and straps}
- 1 Spinal immobilization Half boards - comparable equivalent {i.e. KED}

**Optional Recommended Equipment:**

- 1 Adapter – LDH Siamese
- 4 Air bag - Air Hoses of different colors {16' minimum}
- 1 Air chisel w/portable air hose, assorted bits
- 2 B-Post supports
- x CAT Scale weight completed every 3 years
- x Current Preemption Device to meet Washington County System {Opticom™, Tomar, etc.}
- 1 Light tower – 5,000 or equivalent
- 1 Lock-out/Tag-out kit
- x Washington County Fire & Rescue portable radios - one for each riding position
- 1 6" double female for dry hydrants

**Foot Notes:**

- 1 Chevron's {After January 1, 2009} {NFPA-1901-2009}
- 2 15.9.3.1* A retroreflective stripe(s) shall be affixed to at least 50 percent of the cab and Body length on each side, excluding the pump panel areas, and at least 25 percent of the width of the front of the apparatus.
- 3 15.9.3.2 At least 50 percent of the rear-facing vertical surfaces, visible from the rear of the apparatus, excluding any pump panel areas not covered by a door, shall be equipped with retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.
- 4 15.9.3.3.1 All retroreflective materials used to satisfy the requirements of 15.9.3.1 that are colors not listed in ASTM D 4956, Section 6.1.1, shall have a minimum coefficient of retro reflection of 10 with observation angle of 0.2 degrees and entrance angle of –4 degrees.
5 NO WAVER will be accepted for Reflective Striping \{NFPA-1901-2009\}

6 The vehicle shall meet D.O.T. specifications and shall not exceed manufacturer’s G.V.W.
The vehicle shall meet all codes of the Maryland Motor Vehicle Administration or its
successors. All apparatus shall be in a preventive maintenance inspection program. Records of
inspection under this regulation shall be kept at the location where the vehicle is garaged,
assigned, or maintained. The vehicle shall be equipped with NFPA Standards for emergency
warning lights and emergency audible devices, including audible back-up alarm, and safety
devices. If canopy cab is present the entrance must be equipped with a safety device, i.e.; door,
gate, bar, chain, etc. The vehicle must meet MSFA Standards, which are primarily based on
NFPA 1901.

7 All riding personnel shall be equipped with conforming NFPA 1500 equipment. All
Apparatus shall conform to the latest edition of NFPA 1901 when it concerns safety and any
other applicable NFPA apparatus standards \{Standard written under NFPA 1901-2009\}.
All equipment shall be securely mounted on apparatus.

8 Areas highlighted in gray will not be enforced until the unit is rehabbed or replaced
   • Area’s highlighted in blue will have a 5 year grace period to comply \{06/31/2020\}
      o One year prior to this date the feasibility of the blue highlighted areas will be reevaluated

X All listed quantities are the minimum required to meet this standard, departments may exceed
any or all of these quantities. Any additional equipment must meet current
standard/regulations for the additional item.

Inspected by: ___________________________ Date: ______________