

# Hurricane Fire & Rescue

Hurricane, WV  
Operation  
Guidelines

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|-------------------------|
| <b>Subject</b>          |
| <b>Guideline Number</b> |
| <b>Adopted</b>          |
| <b>Effective Date</b>   |
| <b>Pages</b>            |

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|------------------|
| Pump Maintenance |
| 800.507          |
| March 1, 2007    |
| April 7, 2007    |
| 1                |

**Purpose:** To identify the guideline for maintaining pumps, tanks, and valves to include portable pumps.

**Scope:** All personnel

**Responsibility:** It is the responsibility of personnel to adhere to this guideline.

Maintenance: Per the schedule - during drill on the second Thursday of each month all pumps on the apparatus will be operated from a hydrant. During this operation all valves will be operated and the tank will be flushed.

**Back flushing of fire pumps will be performed at the following times:**

- a. Assigned day of each month.
- b. After each drafting evolution.
- c. Suspicion of foreign objects entering the pump during any pumping event.

**Procedure for back flushing**

- a. The pump will be out of gear.
- b. Use clean water source - flush hydrant before using.
- c. Connect hose line to discharge gate (preferably the highest gate). Connect to hydrant.
- d. Charge line and open discharge gate to feed water back through pump.
  1. Remove caps and back-flush all discharges - operate valve to open - to close - to open several times to flush out (**Do one at a time**).
  2. Do the same with tank refill.
  3. Bleeder valves should be flushed (**cap discharge gates and open bleeder valves**).
  4. All drain valves should be operable (**open and close easily**). Do not operate under pressure.
  5. Operate gated intakes with caps off.
  6. Remove streamer caps or adapters one at a time and flush.
- e. Close flush line and replace all caps and adapters.
- f. Put pump in gear and check for proper prime and operation of relief valve and transfer valve.