

Hauser Lake Fire Protection District

Standard Operating Guideline

Hydrant Operation

Effective: _10 /_7/_2009_

SOG 022

22.01 Fire Operations

- 22.01.01 Always open and close hydrant slowly to prevent water hammer and subsequent damage to water lines and/or pressure relief valve operation in nearby structures.
- 22.01.02 Remove one hydrant cap and flow hydrant until water is clear to insure no debris in hydrant.
- 22.01.03 Connect appropriate size hose to hydrant. If using 2 ½" supply line first connect two gated Ys to hydrant to allow the use of one or two supply lines.
- 22.01.04 When connection is complete advise apparatus engineer and open hydrant when instructed by engineer.
- 22.01.05 If any problems are encountered be sure to advise apparatus officer.

22.02 Hydrant Testing

- 22.02.01 Always open and close hydrant slowly to prevent water hammer and subsequent damage to water lines and/or pressure relief valve operation in nearby structures.
- 22.02.02 Determine path that water will take in order to insure prevention of damage or disruption of landscaping etc. Remember to always be a "good neighbor" when testing hydrants.
- 22.02.03 Remove one hydrant cap and flow hydrant until water is clear to insure no debris in hydrant.
- 22.02.04 Mount Cap with pressure gauge and record static pressure.
- 22.02.05 Mount diffuser with pitot, if manpower is available mount the cap with the pressure gauge on the next hydrant downline, if not mount static pressure gauge on the 2nd outlet.
- 22.02.06 Fully open hydrant and record pitot pressure/flow, record residual pressure.
- 22.02.07 Shut down hydrant, inspect gaskets and replace or note if defective.
- 22.02.08 Note condition and/or repaint as needed.
- 22.02.09 Clear weeds and brush if needed.
- 22.02.10 Note any problems or concerns and insure that the chief is advised of any issues.
- 22.02.11 Replace caps.
- 22.02.12 If any problems are encountered that require immediate attention notify an officer immediately.