

GERMAN TOWNSHIP
FIRE - RESCUE
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Cascade Operation Procedures

SOG 2006-

Captain Phillip Craig

DO NOT open all cascade bottles at once when using cascade.

- 1.) All bottles filled must be recorded in the Cascade Fill Log book located on 8R9.
- 2.) Set up the Red/Green tarp, this will identify your drop and pickup point on the fire ground.
- 3.) Look at the bottle you are getting ready to fill. Is it a high pressure (4500) or low pressure (2216) bottle. Also inspect each pack for visible physical damage.

Warning: DO NOT fill one low pressure and one high pressure at the same time, only two of the same pressure bottles.

- 4.) Inspect each air pack and bottle for visible physical damage. If damage is found in your inspection place the damaged equipment out of service in the cab of 8R9.
- 5.) Start with the first cascade bottle marked 1 on the panel. Stay in sequence when using cascade. Open #1 bottle.
- 6.) Attach the cascade fill hose onto SCBA bottle to fill. Hand tight only. If filling two bottles connect both bottles at this time, and open both bottles to equalize pressure in the two SCBA bottles.
- 7.) Set regulator on cascade to correct pressure setting. 4500 psi for high pressure or 2216 psi for low pressure.
- 8.) Now open cascade fill hose knob slowly and monitor the gauge and the bottle temp. If the bottle gets extremely hot, then you are filling too fast, simply close the fill knob slightly on the next bottle. Both bottles can be filled at once.
- 9.) If the pressure equalizes from the first cascade bottle, close bottle and open cascade bottle # 2. If this bottle still does not fill SCBA bottles, close and open cascade bottle # 3. Keep using the cascade in this manner working from bottle #1 to bottle #6. Starting with Bottle #1 every time you fill a new bottle. This process will allow us to use the full capacity of the cascade system.
- 10.) After SCBA bottles are filled, close fill hose knob and SCBA cylinder knob, and bleed off pressure before releasing fill hose from cylinder.
- 11.) After final bottle is filled, close all cascade bottles and release pressure from fill hoses before transport.

*Brother First, Duty
Always*