Bath Township Fire Department			Standard Operating Guideline	
Section Equipment	**Referral No.** E-O2	**Subject:** Compressed Air Cascade Operation	**Date Issued** 11/02	**Date Revised** 6/13

Purpose:

- To provide guidelines for use of the compressed air cascade system.

Scope:

- This standard operating guideline shall apply to all personnel.

Responsibilities:

- Officer
  - All officers will ensure that any personnel operating the cascade system are properly trained and operate in a safe manner.
- Personnel
  - All personnel have the responsibility of asking for assistance and operating the cascade system in a safe manner in which it was designed.

Guidelines:

SCBA Bottles

- **PLACE CYLINDER IN THE BLAST-RESISTANT PORT PRIOR TO FILLING.**
- Ensure the cylinder is within hydrostatic test period.
- Connect the fill-hose to the SCBA bottle hand-tight
- Open SCBA bottle valve, open hose valve, open first cascade bottle, close blast door, and slowly adjust regulator to desired pressure
- Once the cascade bottle and the SCBA bottle have equalized, it may be necessary to close the cascade bottle and precede the next bottle.
  - Ensure that only one cascade bottle is in the open position.
- Once bottle is filled to the desired pressure, shut off cascade bottle valve, fill-hose valve, and SCBA bottle valve, and open fill-hose pressure relief valve
- Disconnect hose from bottle
- If problems are encountered, request assistance.

Compressor

- Open the bottle on the Fill station that need filled.
- Turn on Master Power
- Check oil on Compressor
- Prop open door to let fresh air into SCBA room.
- Press the Green On button on the compressor
- Once bottles are filled press the Red off button.
- Drain fluid on the side of Compressor

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- Close Bottles on the Fill Station
- Turn off master Power
- **If problems are encountered, request assistance.**

- **Filling mobile cascade** – Connect extension hose from fill-hose to inlet the mobile cascade. Adjust regulator to desired pressure, open valve on depleted cylinder(s). When full- close valve and refill Station Cascade bottles.