Bath Township Fire Department			Standard Operating Guideline	
Section **Equipment**	**Referral No.** **E-10**	**Subject:** **Medical Oxygen Cylinder Replacement**	**Date Issued** **11/02**	**Date Revised** **3/08**

Purpose:

- To provide guidelines for Medical Oxygen Cylinder Replacement

Scope:

- This standard operating guideline will apply to all personnel.

Responsibilities:

- Officer
  - All officers shall ensure that EMS personnel are properly trained in Medical Oxygen Cylinder Replacement.
  - The person performing the Medical Oxygen Cylinder Replacement will do so in a safe manner.
  - All officers shall report depleted reserve cylinders to the Fire Chief for replacement order.
- Personnel
  - All personnel have the responsibility of performing the Medical Oxygen Cylinder Replacement in a safe manner.
  - All personnel shall report depleted reserve cylinders to an Officer.

Guidelines:

- Only those properly trained in performing Medical Oxygen Cylinder Replacement, will perform it

Procedure:

- **Replacing the portable O2 cylinder**
  - ❖ Replace when gauge reads 500 psi or less
    - Close cylinder
    - Bleed the regulator
    - Remove the regulator (keep the 'O' ring)
    - Exchange the depleted cylinder with a full cylinder
    - Remove the wrapper from the full cylinder
    - Replace the regulator onto the full cylinder
    - Open cylinder the ensure pressure and check for leaks
    - Put the cylinder in the correct location on the unit

- **Replacing a Medic Units Main O2 cylinder**

❖ Replace when gauge reads 500 psi or less

- Ensure that adequate manpower is used to avoid injury
- Close cylinder
- Bleed residual pressure from a regulator within the unit
- Remove the pressure regulator with the appropriate wrench
- Loosen cylinder stabilization straps
- Using appropriate lifting techniques, remove the depleted cylinder from the compartment
- Place valve cover off of full cylinder onto the depleted cylinder
- Using the two-wheel dolly, place move the depleted cylinder to the cascade room and secure it in the area marked "Empty" using chains and nesting techniques
- Using appropriate lifting techniques, place the full cylinder in the compartment
- Secure all cylinder stabilization straps (check valve position)
- Replace the pressure regulator with the appropriate wrench, do not over-tighten
- Open cylinder and check for audible leaks

- Any damage or malfunction to a cylinder or other related equipment shall be reported to an officer and a repair slip filled out

- **NO SMOKING** shall be allowed around any oxygen cylinder or in any apparatus at any time