


Montgomery County Fire and Rescue Service FIRE CHIEF'S GENERAL ORDER

FCGO: 17-07

July 25, 2017

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TO: All MCFRS Personnel
FROM: Fire Chief Scott E. Goldstein 
SUBJECT: Air Monitoring Devices

This FCGO replaces FCGO 14-22 and FCGO 14-23, dated October 29, 2014

The following meters are being distributed to the field to replace existing meters currently in the MCFRS inventory.

Ventis Pro Multi-Gas Monitor

The Ventis Pro Multi-Gas Monitor will detect Carbon Monoxide (CO), Oxygen (O₂), and Combustible Gases (LEL). The Ventis Pro will be placed on all front-line Engines, Aerials, and Rescue Squads. The Ventis Pro has the following features:

- three sensors to monitor for CO, O₂, and LEL
- Internal pump
- Intrinsically Safe
- Data logging feature to assist with record keeping
- Rechargeable Li-ion Battery

Each station will be issued at least one Ventis Pro docking station to “Bump Test” and calibrate the meter.

MX6 Multi-Gas Monitor

The MX6 will be placed on Hazmat Units (HM707, HM728, E728, E707, and E720), Battalion Chief Vehicles (BC701, BC702, BC703, BC704, BC705), Technical Rescue Units (TR700, TR700B), and Safety (SA700). The MX6 has the following features:

- six sensors to monitor for CO, O₂, H₂S, LEL, HCN and PID
- Internal pump
- Intrinsically Safe
- Data logging feature to assist with record keeping
- Rechargeable Li-ion battery

The following stations will be issued a MX6 docking station to “Bump Test” and calibrate the instrument: Station 7, Station 12, Station 20, Station 25, Station 28, Station 32, and

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Station 34. The docking station will automatically bump test and calibrate the meter as needed.

Sensit Combustible Gas Leak Detector

The Sensit will be placed on all front-line Engines, Aerials, and Rescue Squads. The Sensit has the following features:

- one sensor to monitor LEL
- user activated "TICK" mode to assist with locating small combustible gas leaks
- a display that will read %LEL in 0.1% increments
- intrinsically safe
- 3 "C" Duracell PC1400 batteries that are field serviceable

The Sensit cannot be calibrated in the field. The SCBA shop will handle all service and maintenance of the detector.

Protégé ZM CO Single-Gas Monitor

The Protégé will be placed on the aid bag of all Ambulances, BLS Engines, Rescue Squads and Trucks. It will be attached to the red bag on all AFRAs and Medic Units. The Protégé has the following features:

- the monitor is passive and is designed to be in the "on" position at all times.
- operates continuously for two years before the monitor will need to be replaced.
- The monitor will display PPM of CO at all times. The normal state would be for it to display "0".

Thermo RadEye Personal Radiation Device (PRD)

The PRD will be placed on all front-line Engines, Aerials, Rescue Squads, Ambulances and Medic Units. The PRD must be left in the "on" position at all times. The PRD will display background radiation readings at all times. In normal conditions, the meter will display in the range from 1 - 25 μ R/hr.

Maintenance

The Ventis Pro4, MX6, Sensit, Protégé, PRD monitors will be maintained by the SCBA/Meter shop. Any maintenance or repair requests must be entered into the Telecommunications Service Request (TSR) form located at the following website:
<http://www.montgomerycountymd.gov/frs-ql/logistics/techoperations.html>

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Required Training

Personnel must complete the required training modules by October 23, 2017, as indicated below:

- **Firefighter/Rescuer II personnel** or higher on the IECS list must complete all training modules.
- **EMS Provider I personnel** or higher on the IECS list must complete the training modules for the Protégé ZM CO Single-Gas Monitor and the Thermo RadEye Personal Radiation Device (PRD).

You may access the training modules with your tech training login at www.mcfrsit.com/trackingDetectors. Upon earning credit for each module, verify that your credit was recorded on the website with either the link on the homepage labeled *My Detectors Transcript* or via the tracking pages (officers only).

For further questions or clarification, contact Technical Operations Chief, Battalion Chief Michael Baltrosky.

