

	Hampton-Valley Forge Vol. Fire Dept. Standard Operating Guidelines	
	Subject: Use of the Air Monitor	SOG # 2-14
		Initiated 01/01/2019
Approved: Fire Chief Chris Isaacs	Revised 01/01/2019	

1. This procedure establishes qualifications and use of the Industrial Scientific TMX-410 Air Monitor.
2. This procedure applies to all members of the Mechanicsville Volunteer Fire Department and must be strictly followed.
3. It is the responsibility of the Safety Officer or someone designated by the Fire Chief to calibrate the TMX-410 Air Monitor at least monthly.
4. Only members of the department who have been certified and are currently certified as either Hazmat Technicians and/or Confined Space Rescuers are initial qualified to use the TMX-410 Air Monitor. Subjects that have been trained in the use of the monitor may use it if there are no techs available.
5. The TMX-410 Air Monitor will be kept on Squad-2. The Incident Commander must remember that the TMX-410 only measures Oxygen (O₂), Lower Explosive Limit (LEL), Carbon Monoxide (CO) and Chlorine (CL). The alarm set points are 19.5% (low) and 23.5% (high) for O₂, 10% (low) and 20% (high) of LEL, 35 ppm (low) and 70ppm (high) for CO and 10 ppm (low) and 20 ppm (high) for H₂S. The TMX-410 shall be used on but not limited to the following incidents.
 - a. **HAZMAT AND CONFINED SPACE RESCUES:** The Incident Commander shall use the TMX-410 on all Hazmat and Confined Space Rescues. It is important to remember the elements or chemicals that the TMX-410 does monitor and that other samplers or monitors may be needed for other toxic chemicals.
 - b. **STRUCTURE FIRES:** The Incident Commander shall use the TMX-410 as an indicator when the firefighters may remove their SCBA. It is the policy of this department that when the monitor alarms are clear (not in an alarm status) the SCBA's may be removed.
 - c. **GAS EMERGENCIES:** The Incident Commander shall use the TMX-410 to monitor both LEL and O₂ on all emergencies (i.e. odor of gas, gas leaks, etc).