

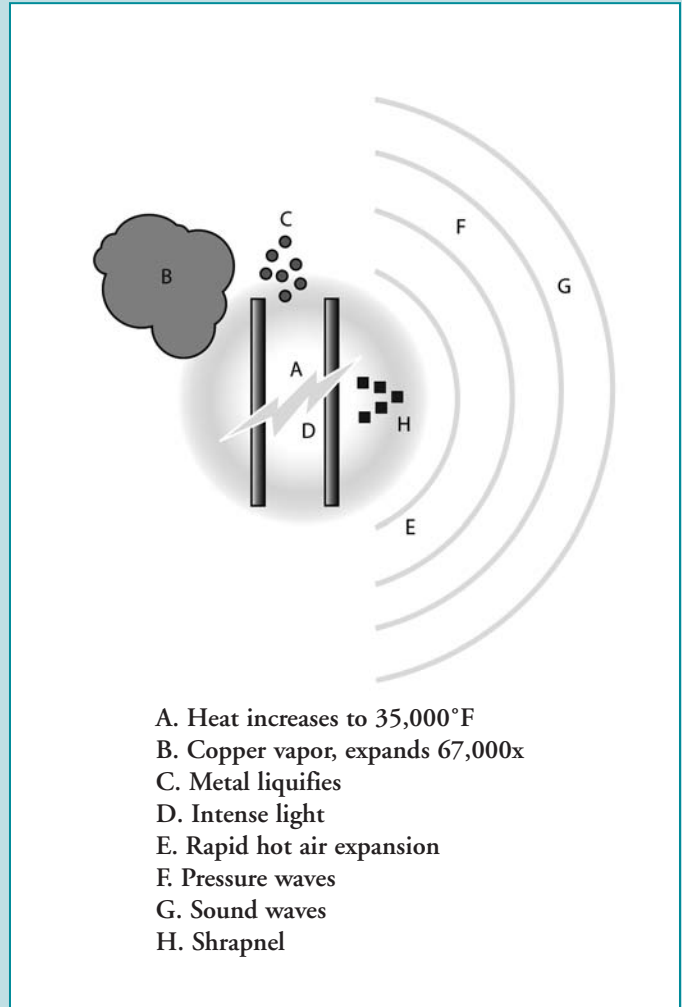
# Anatomy Of Arc Flash

Arc Flash can be described as an immediate release of energy or more simply a “ball of fire”. The amount of energy released during a flash can vary but in most cases will be extremely destructive to the equipment and physically harmful to those personnel nearby. The resulting injuries from such extremes can be quite serious and possibly life threatening.

- Intense heat can severely burn skin or ignite clothing resulting in additional burns.
- The intense heat can also liquify metal and the blast can launch this molten metal into the air causing physical trauma.
- Vaporized copper and other materials create a “toxic smoke” contaminating the air and potentially being inhaled by those in its path.
- Intense light and sound waves can damage vision and hearing.
- An enormous pressure wave has the ability to rupture ear drums or collapse lungs. The force can also be great enough to knock a person down or throw them into nearby equipment or structures causing additional injury.
- The explosion can be strong enough to cause shrapnel to project away from the source and inflict injuries to anyone close by.

Prevention of Arc Flash depends on proper procedures, maintenance and training. Here are several general causes of Arc flash to be aware of:

- Contact with energized parts
- Disregarding proper procedures
- Corrosion
- Incorrect SCCR (short circuit current rating)
- Wiring errors
- Insulation breakdown



## EPG Service School '06 Was A Success!

Once again EPG Companies Inc. offered our Service School to those involved with the design, maintenance and/or installation of Liquid or Gas Handling Systems, Remediation Systems and/or SCADA and Data Acquisition Systems. These SWANA\* accredited classes provided an opportunity to develop peoples knowledge, expertise and troubleshooting skills while working in the landfill industry. It was a great opportunity to learn more about the equipment manufactured by EPG Companies Inc.. Our schools included classroom discussion, presentations, hands-on training, meals, lodging, applicable test equipment, instruction manuals and SWANA continuing education credits (CEUs). Thanks to all those who attended!

Upcoming Service School Dates:  
TBD - March 2007: Pumps & Controls Service School  
TBD - March 2007: Advanced Service School

