

Self-Contained Breathing Apparatus (SCBA) Lens Replacement

Project Description

The Campbell County Fire Department is replacing the lenses on their Self Contained Breathing Apparatus (SCBA) face pieces for safety purposes. The primary motivation is the safety of our firefighters. The lenses being upgraded meet an outdated National Fire Protection Association (NFPA) Standard implemented in 2007. This edition of the standard recognized 350 degrees Fahrenheit as the acceptable temperature for the lenses to fail during firefighting operations. Due to more synthetic materials being used in home furnishings, these lenses were failing due to higher interior temperatures encountered by firefighters during fire attack. These failures are directly attributed to eight (8) Line of Duty Deaths of firefighters and numerous close call situations across the US. The current NFPA Standard implemented in 2013 has increased the acceptable failure temperature of the SCBA lenses to 400 degrees Fahrenheit to increase the safety margin for firefighters. The replacement of current SCBA lenses not only addresses a documented safety issue but also brings Campbell County Fire Department's SCBA's into compliance with the current NFPA Standard.