June 5, 2017

**Q:** Is there anywhere in the Life Safety Code (LSC) or other state and/or federal LTC requirements that specify the use of specific personal protective equipment (PPE) for trans-filling of liquid oxygen to be used for respiration?

**A:** In checking with IDPH, there does not appear to be any place in the LSC or elsewhere that specifies/mandates the type of clothing or equipment a person should wear when trans-filling liquid oxygen. However, liquid oxygen is stored at -300 degrees Fahrenheit and can cause serious thermal injury to the skin. Therefore, it does make sense to have personal protective equipment and to be knowledgeable about the process of trans-filling liquid oxygen. Various articles I researched on the subject recommend eye protection (face shield or goggles), hand protection (loose fitting insulated or leather gloves), and clothing/splash protection (leather apron).