

**Miller, Diane M. (CDC/NIOSH/EID)**

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**From:** Chris Musgrove [cam@respirex.co.uk]  
**Sent:** Wednesday, September 30, 2009 4:39 AM  
**To:** NIOSH Docket Office (CDC)  
**Subject:** Reference: Docket 148 - A Air-Fed Ensembles

I attended the NIOSH Public meeting on September 17 2009 in Pittsburgh.

Many uses, particularly the Nuclear industry use disposable or single use full suits. It would be impractical and not cost effective to have to supply a complete ensemble, including the airlines, couplings and air supply system along with each suit. In EN 1073 there is an option to fit a low flow alarm within the suit, that alerts the wearer to incorrect flow rates into the suit, a low flow alarm is mandatory to be fitted into air supplied hoods in Europe, which means any non approved airlines and coupling can not be used. EN 1073 has been in place within Europe for many years, it had a lot of input from end users particularly the Nuclear industry when it was compiled. EN 1073 allows suits to be submitted in a matrix format, which means that a design of suit could be approved in different skin materials, with each material having to pass the requirements within the standard, but as long as the suit design is the same for all , a whole suit test is only carried out with one material. Many customers like to use there own choice of glove or boot, as long as these meet the required standard then they can be used. When the whole suit ensemble is tested it is carried out with gloves and boots fitted. If you require any further information please contact myself.

Regards

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