

ISRP 2000 abstract

Presenter/author	Title	Abstract
<p>Osmond, Neale</p> <p>Project manager, Chemical and Biological Defence Sector, DERA Porton Down, Salisbury, UK</p>	<p>Multi- personnel respiratory protection facility (MPRPF): an insight into collective protection</p>	<p>Health and safety advisors implement a policy of using respiratory protective equipment (RPE) in order to prevent workers from being exposed to toxic chemicals or particles. RPE is traditionally considered to comprise an individual respirator operated under positive or negative pressure. However, it is often said that such equipment must only be used when all other options for containing hazardous materials within the workplace have been considered.</p> <p>It is the purpose of this paper to provide an insight into collective protection, referred to as multi-personnel respiratory protection facilities (MPRPF). Although in a number of cases the use of individual RPE is essential, there are a number of applications where MPRPF systems could be used, allowing workers to operate free of individual RPE in toxic free environments.</p> <p>This review will provide a basic understanding of the operations of MPRPF systems, their protective capability, application, and the scientific basis underpinning their development.</p>