



THREAT AGENT DEFEAT MODELING AND TESTING USING WMD SIMULANTS

Naval Surface Warfare Center Indian Head Division Support To Outdoor Chemical Simulant And Biological Surrogate Releases In Littoral And Maritime Environments.

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The Naval Surface Warfare Center Indian Head Division (NSWC IHD), Chemical Biological and Radiological (CBR) Defense Division, serves as the nation's technical voice for Naval CBR Defense, and provides support to the Joint Chemical and Biological Defense Program's (CBDP) Research, Development, Test, and Evaluation (RDT&E) community. This presentation will outline current efforts to provide validated T&E infrastructure that is capable of supporting outdoor chemical simulant and biological surrogate developmental and operational testing in a littoral/maritime environment. NSWC IHD has recently taken several tangible steps to provide the CBDP with chemical simulant and biological fully refereed surrogate releases in naval relevant operational environments. These efforts advance the CBDP's ability to develop and ultimately field technologies to naval forces. In addition, the authors will describe recent events that have improved our ability to support these types of events, and the importance of conducting testing and experimentation in operationally relevant environments while collecting referee data that can be used to accurately assess performance of chemical and biological defense technologies.