## MITIGATION - SCIENCE AND TECHNOLOGY ADVANCES FOR CHEMICAL AND BIOLOGICAL HAZARD MITIGATION

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## **Disinfection of Building, Facility, and Platform Interiors**

CBDS CONFERENCE

Tony Buhr Naval Surface Warfare Center - DahlgrenAlice Young Naval Surface Warfare Center - DahlgrenEmilyMatuczinski Naval Surface Warfare Center - DahlgrenMona Amin Naval Surface Warfare Center - DahlgrenJohnEdmondson Naval Surface Warfare Center - DahlgrenBria Carlisle-Thaniel Naval Surface Warfare Center - DahlgrenJohnClara Leung Naval Surface Warfare Center - DahlgrenChristopher KovacsNaval Surface Warfare Center - Dahlgren

Aims: Produce a DoD Installation Commander Disinfection Guideline Manual containing tailorable disinfection technology application guidelines, test standards and methodology, and efficacy testing guidelines for disinfection of buildings, facilities, and platform interiors, for use by DoD facility managers.

Methods and Results: A swath of Prototype or COTS (commercial-off-the-shelf) technology solutions were surveyed to demonstrate technologies that can successfully disinfect a building, facility, and/or platform interiors contaminated with human infectious biological pathogens. Research findings and performance test data will be documented in a final report and a DoD Facility Interior Disinfection Guideline Manual for use by facility managers to disinfect facility or platform interiors after contamination by a biological threat.

Conclusions: Generation of disinfection guidelines involves a series of steps that will mitigate the risk of sick building syndromes that impact personnel health and mission readiness.

Significance and Impact of the Study: A disinfection guideline will mitigate personnel illnesses and reduce the potential of building evacuations during pandemics.

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