REPORT DOCUMENTATION PAGE

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4. TITLE AND SUBTITLE

Hazard Assessment of First Receivers In Medical Facilities Responding to a Toxic Industrial Chemical (TIC) or a Chemical Warfare Agent (CWA) Terrorism Incident

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12. DISTRIBUTION / AVAILABILITY STATEMENT

13. SUPPLEMENTARY NOTES

14. ABSTRACT (Maximum 200 words)

The objective has been to identify likely avenues of exposure of emergency responders to vapor and liquid hazards from percutaneously effective chemical warfare agents when released indoors. Emphasis was placed on low-volatility liquid compounds. Most likely exposure scenarios for first responders to low-volatility liquids include pickup and transfer from walking through spills, brushing against or contacting contaminated surfaces, and by handling and carrying contaminated casualties. A computational methodology was devised for estimating probable contamination levels from non-respirable chemical agent challenges under operational conditions. For the selected scenarios, contamination levels on first responders could exceed 100 mg/m^2 on protective garments. Portions of the clothing system must be capable of protecting against a fully wetted condition. The personal protective equipment must take into account both respiratory and percutaneous routes of entry. Data needs and deficiencies were identified that include a requirement for toxicity estimates for the general civilian population and emergency response personnel. Other data needs include human toxicity estimates from exposures to short term, high vapor concentrations and for long term, low-level vapor concentrations for both inhalation and percutaneous routes of entry. Outdoor scenarios where chemical compounds have been released are assumed to be addressed using standard HAZMAT operational procedures. The results of this work can serve as input in the conduct of vulnerability analyses of first responders to terrorism incidents.

15. SUBJECT TERMS

First Receivers, CWA, TIC, Hazard Analysis, Terrorism, Chemical Warfare Agent, Toxic Industrial Chemical, Hot-Zone, Warm-Zone, Vulnerability Assessment, WMD, Homeland Defense, First Responders, Emergency Department, Hospital Preparedness

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Hi Bill -- the information that follows represents the results of a contractor report that we collaborated on that is being published through Department of Defense Channels. We would like to list this report in the NIOSH database for interested stakeholders to request copies. What do we need in terms of paperwork to make that happen? please let me know at your convenience what we need to do.
Thanks, Jon Szalajda

the Army documentation information page follows: