

**Key References Cited/Used in National Response Team (NRT) Quick Reference Guides (QRGs) for Chemical Warfare Agents.  
GA (Tabun), GB (Sarin), GD (Soman), GF (Cyclosarin), Agent VX, and HD (Sulfur Mustard), Lewisite (L), and Mustard-Lewisite Mixture (HL)  
2012 Revision**

The following references are not intended to be an exhaustive list or critical review of the literature. Instead, it is intended to provide sources that support the statements and provide potential added relevant detail pertaining to the section topic and agent specified. The reader will recognize that the literature sometimes represents multiple opinions, as frequently is the case in scientific literature, to alert the reader to the opinions available on the topic. Often this range is a result of the original literature being intended for a broad range of purposes. The reader should note that the QRGs represent a Subject Matter Expert consensus of these opinions, focused on the specific purpose to inform Federal OSCs of important information about the agents that may be useful to their activities during their first 24-48 hours on site. After this initial period, it is thought that additional resources and subject matter experts will be available to the OSCs.

Reference Documents	General	G-Agents	VX	HD	L	HL
<b>Agents and Characteristics</b>						
Agency for Toxic Substances and Disease Registry, CDC. <a href="#">Blister Agents Lewisite (L) (C<sub>2</sub>H<sub>2</sub>AsCl<sub>3</sub>) CAS 541-25-3, UN 1556; and Mustard-Lewisite Mixture (HL) CAS Number not available, UN 2810.</a>					✓	✓
National Research Council. <a href="#">Guidelines for Chemical Warfare Agents in Military Field Drinking Water</a> . Washington, DC: The National Academies Press, 1995.					✓	✓
Army Intelligence and Security Doctrine. <a href="#">FM 3-11.9. Potential Military Chemical/Biological Agents and Compounds</a> , January 2005.						✓
<a href="#">National Research Council/Committee on Toxicology</a> . 2003. <i>Acute Exposure Guidelines for Selected Airborne Chemicals, Vol 3</i> . National Academy Press, Washington, DC.	✓	✓	✓	✓		
<a href="#">Department of the Army Field Manual 3-11.5</a> . 2006. <i>CBRN Decontamination: Multi-Service Tactics, Techniques Procedures</i> . US Army Chemical School, Ft. Leonard Wood, MO	✓	✓	✓	✓	✓	
<a href="#">Agency for Toxic Substances and Disease Registry (ATSDR)</a> . 2003. <i>Toxicological Profile for Sulfur Mustard (Update)</i> . Department of Health and Human Services, Public Health Service, ATSDR, Atlanta, GA.				✓		
<a href="#">USACHPPM, 2008</a> . Technical Guide 244: The Medical CBRN Battlebook, Oct 2008.	✓	✓	✓	✓	✓	
<a href="#">US Department of Army Material Data Safety Sheets (MSDS)</a> for chemical agents. (2004)		✓	✓	✓		
US Department of the Army. 2004 <i>Medical Management of Chemical Casualties Handbook</i> . US Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD.	✓	✓	✓	✓	✓	
<a href="#">Munro NB et al., 1999</a> . "The Sources, Fate, and Toxicity of Chemical Warfare Agent Degradation Products", <i>Environmental Health Perspectives</i> , Volume 107, Number 12, December 1999. 933-974.	✓	✓	✓	✓	✓	
<a href="#">Department of the Army, 1997</a> . <i>Textbook of Military Medicine (TBMM): Part 1, Medical Aspects of Chemical and Biological Warfare</i> . Office of the Surgeon General, Walter Reed Army Medical Center, US Department of the Army.	✓	✓	✓	✓	✓	
Kingery AF and HE Allen. 1995. The environmental fate of organophosphate nerve agents: A review. <i>Toxicological and Environmental Chemistry</i> . 47: 155-184.		✓	✓			
<a href="#">Williams JM, B. Rowland, MT Jeffery, et al. 2005</a> . Degradation kinetics of VX on concrete by secondary ion mass spectrometry. <i>Langmuir</i> 21: 2386-2390.			✓			
<a href="#">Talmage SS et al., 2007</a> "The Fate of Chemical Warfare Agents in the Environment" pp. 89-125 In: R. Maynard et al. (ed.) <i>Chemical Warfare Agents: Toxicology and Treatment (2nd Edition)</i> 2007; John Wiley and Sons, Ltd.	✓	✓	✓	✓		
<a href="#">National Research Council/Institute of Medicine</a> . 1993. <i>Veterans at Risk: The Health Effects of Mustard Gas and Lewisite</i> . CM Pechura and DP Rall (eds.) National Academy Press, Washington, DC.				✓	✓	
<a href="#">Goldman M and Dacre JC, 1989</a> : Lewisite: It's Chemistry, Toxicology, and Biological Effects, <i>Rev Environ Contam Toxicol</i> , VOL 110 PAGES 76-115.					✓	
<a href="#">Reddy G et al., 2005</a> . Toxicity assessment of thiodiglycol. <i>Int. J Toxicol</i> 24: 435-42 (Thiodiglycol is degradation product of HD)				✓		
Michel, HO et al. 1962. <i>EA 2192: A novel anticholinesterase</i> . CRDLR 3125. US Army Chemical and Research Laboratories, Army Chemical Center, Aberdeen Proving Ground, MD.			✓			
<a href="#">The Emergency Response Safety and Health Database</a> , NIOSH (last accessed August 2011)	✓	✓	✓	✓	✓	✓
<a href="#">Hazardous Substance Database</a> , US National Library of Medicine		✓	✓	✓	✓	
<a href="#">EPA: Water Security</a> - Emergency/Incident Planning. (last accessed August 2011)	✓	✓	✓	✓	✓	
<a href="#">Chemical Hazards Emergency Medical Management (CHEMM)</a> , National Library of Medicine, Includes links to WISER (last accessed August 2011)	✓	✓	✓	✓		
<a href="#">Medical Management Guidelines, ATSDR</a> (last accessed August 2011)	✓	✓	✓	✓	✓	
<a href="#">Department of the Army Field Manual 3-9, 1990</a> . Potential Military Chemical/Biological Agents and Compounds						✓
<b>Release Scenario</b>						
Personal Communication. From: Morrissey, Kevin M CTR (US) to Matthew Magnuson/CI/USEPA/USEPA. Date: 02/10/2012 02:04 PM. Subject: RE: Water Fate and Phosphate Buffer Work at ECBC (UNCLASSIFIED)						✓
<a href="#">"Chemical Agents as Weapons of Terror Rather Than as Weapons of Mass Destruction"</a> , p. 12-13 of Congressional Research Service (CRS) Report for Congress. Order Code RL31861, "High-Threat Chemical Agents: Characteristics, Effects, and Policy Implications." Updated September 9, 2003. Dana A. Shea, Analyst in Science and Technology Policy Resources, Science, and Industry Division (CRS, The Library of Congress).	✓	✓	✓	✓	✓	
<a href="#">Chem Bio Chapter entitled "Rethinking Bio-Chemical Dangers"</a> by Henry Sokolski. (re: size of event required for casualty production) published as pp. 186-190 in <i>America the Vulnerable: Our Military Problems and How to Fix</i>	✓	✓	✓	✓		

<b>Reference Documents</b>	<b>General</b>	<b>G-Agents</b>	<b>VX</b>	<b>HD</b>	<b>L</b>	<b>HL</b>
<i>Them</i> , JF Lehman and H Sicherman, eds. Foreign Policy Research Institute, Philadelphia, PA (no date on publication).						
<a href="#">USACHPPM May 2009 - Technical Guide TG 195</a> , Safety and Health Guidance For Mortuary Affairs Guidance: Infectious Materials and CBRN Handling.	✓					
<a href="#">USACHPPM, 2008</a> . Technical Guide 244: The Medical CBRN Battlebook, Oct 2008.	✓					
<a href="#">U.S. Congress, Office of Technology Assessment</a> . <i>Technologies Underlying Weapons of Mass Destruction</i> , OTA-BP-ISC-115, (Washington, DC: Government Printing Office, December 1993).	✓					
<a href="#">Watson AP et al. 2006</a> . Chapter 5: <i>Cholinesterase Inhibitors as Chemical Warfare Agents: Community Planning Guidelines</i> , pages 47-68. [Book] <i>Toxicology of Organophosphate and Carbamate Compounds</i> , R. Gupta (ed); Elsevier/Academic Press; 2006.	✓	✓	✓			
<a href="#">Chemical Stockpile Emergency Preparedness Program</a> (last accessed August 2011)	✓					
US Army, 1998. CSEPP Reentry & Restoration Guidance & IPT Monitoring Plan.	✓					
<a href="#">Talmage SS et al., 2007</a> "The Fate of Chemical Warfare Agents in the Environment" pp. 89-125 In: R. Maynard et al. (ed.) <i>Chemical Warfare Agents: Toxicology and Treatment (2nd Edition)</i> 2007; John Wiley and Sons, Ltd.		✓	✓	✓		
<a href="#">Talmage SS et al (2007b)</a> . Chemical Warfare Agent Degradation and Decontamination, <i>Current Organic Chemistry</i> 11: 285-298.		✓	✓	✓		
<a href="#">DHS National Preparedness Guidelines</a> , Sept. 2007	✓					
<a href="#">Hazardous Substance Database</a> , US National Library of Medicine		✓	✓	✓	✓	
<a href="#">Water: Critical Infrastructure and Key Resources Sector-Specific Plan as input to the National Infrastructure Protection Plan</a> , May 2007 (in particular p. 56-58)		✓	✓	✓	✓	
<a href="#">The Emergency Response Safety and Health Database</a> , NIOSH	✓	✓	✓	✓	✓	
<a href="#">EPA: Water Security</a> - Emergency/Incident Planning		✓	✓	✓	✓	
<b>Health Effects and Personnel Safety</b>						
Agency for Toxic Substances and Disease Registry, CDC. <a href="#">Blister Agents Lewisite (L) (C<sub>2</sub>H<sub>2</sub>AsCl<sub>3</sub>) CAS 541-25-3, UN 1556; and Mustard-Lewisite Mixture (HL) CAS Number not available, UN 2810.</a>					✓	✓
<a href="#">National Research Council/Committee on Toxicology</a> . 2003. <i>Acute Exposure Guidelines for Selected Airborne Chemicals, Vol 3</i> . National Academy Press, Washington, DC.		✓	✓	✓		
<a href="#">USEPA/National Advisory Committee</a> . 2007. Acute Exposure Guideline Levels: Lewisite L-1, Lewisite L-2, Lewisite L-3. Interim Technical Support Document for Lewisite. Accessed Jul 22, 2011.					✓	
<a href="#">The Emergency Response Safety and Health Database</a> , NIOSH (last accessed August 2011)	✓	✓	✓	✓	✓	
US Department of the Army. 2007. <i>Medical Management of Chemical Casualties Handbook, 4th Edition</i> . US Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD.	✓	✓	✓	✓	✓	
<a href="#">CDC Emergency Preparedness and Response</a> website and associated fact sheets for agents (last accessed August 2011)	✓	✓	✓	✓	✓	
<a href="#">Agency for Toxic Substances and Disease Registry (ATSDR)</a> . 2003. <i>Toxicological Profile for Sulfur Mustard (Update)</i> . Department of Health and Human Services, Public Health Service, ATSDR, Atlanta, GA.				✓		
<a href="#">National Research Council/Institute of Medicine</a> . 1993. <i>Veterans at Risk: The Health Effects of Mustard Gas and Lewisite</i> . CM Pechura and DP Rall (eds.) National Academy Press, Washington, DC.				✓	✓	
<a href="#">Department of the Army. 1997</a> . <i>Textbook of Military Medicine (TBMM): Part 1, Medical Aspects of Chemical and Biological Warfare</i> . Office of the Surgeon General, Walter Reed Army Medical Center, US Department of the Army.	✓	✓	✓	✓	✓	
Michel, HO et al. 1962. <i>EA 2192: A novel anticholinesterase</i> . CRDLR 3125. US Army Chemical and Research Laboratories, Army Chemical Center, APG, MD.			✓			
<a href="#">Reddy G et al., 2005</a> . Toxicity assessment of thiodiglycol. <i>Int. J Toxicol</i> 24: 435-42 (Thiodiglycol is degradation product of HD)				✓		
<a href="#">Interagency Mass Personnel Decontamination Guidance: TSWG 2004</a> ; "Best Practices and Guidelines for CBR Mass Personnel Decontamination." Contact: <a href="mailto:cbmcs subgroup@TSWG.gov">cbmcs subgroup@TSWG.gov</a>	✓					
<b>Effect Levels</b>						
<b>AIRBORNE (INHALATION, OCULAR AND PERCUTANEOUS PATHWAYS)</b>						
<a href="#">National Research Council/Committee on Toxicology</a> . 2003. <i>Acute Exposure Guidelines for Selected Airborne Chemicals, Vol 3</i> . National Academy Press, Washington, DC.	✓	✓	✓	✓		
<a href="#">USEPA/National Advisory Committee</a> . 2007. Acute Exposure Guideline Levels: Lewisite L-1, Lewisite L-2, Lewisite L-3. Interim Technical Support Document for Lewisite. Accessed Jul 22, 2011.					✓	
<a href="#">CDC, 2003</a> , <i>Federal Register</i> , Volume 68, No. 196, October 9, 2003, Notice; Department of Health and Human Services (DHHS) Centers for Disease Control and Prevention (CDC); Final Recommendations for Protecting Human Health from Potential Adverse Effects of Exposure to Agents GA (Tabun), GB (Sarin), and VX, pp 58348-58351.		✓	✓			
<a href="#">CDC, 2004</a> , <i>Federal Register</i> , Volume 69, No. 85, May 3, 2004. DHHS CDC Interim Recommendations for Airborne Exposure Limits for Chemical Warfare Agents H and HD (Sulfur Mustard); pp 24164-24168.				✓		
<a href="#">US Dept. of the Army Pamphlet (DA- PAM)385-61</a> , <i>Toxic Chemical Agent Safety Standards</i> , 17 December 2008	✓	✓	✓	✓	✓	
Memorandum, Department of the Army, Subject: Interim Guidance for Chemical Warfare Material (CMW) Responses, April 1, 2009	✓	✓	✓	✓	✓	
Department of the Army Office of the Surgeon General Memorandum, Subject: Nerve Agent Percutaneous Exposure Criteria and Airborne Exposure Levels (AELs) for GD, GF in Use of Interim DA Guidance on Implementation of the New AELs, June 2004.		✓				
CSEPP, 2003. Chemical Stockpile Emergency Preparedness Program, US Army and US Federal Emergency	✓	✓	✓	✓		

<b>Reference Documents</b>	<b>General</b>	<b>G-Agents</b>	<b>VX</b>	<b>HD</b>	<b>L</b>	<b>HL</b>
Management Agency (FEMA) Policy Paper #20 (Revised), Subject: Adoption of Acute Exposure Guidelines Levels (AEGs); February, 2003.						
<a href="#">Watson AP et al, 2006</a> . Chapter 5: <i>Cholinesterase Inhibitors as Chemical Warfare Agents: Community Planning Guidelines</i> , pages 47-68. [Book] <i>Toxicology of Organophosphate and Carbamate Compounds</i> , R. Gupta (ed); Elsevier/Academic Press; 2006.		✓	✓			
<a href="#">Watson AP et al, 2006</a> . Development and Application of Acute Exposure Guidelines Levels for Chemical Warfare Nerve and Sulfur Mustard Agents, <i>Journal of Toxicology and Environmental Health</i> ; Part B Vol 9; 173-263, 2006.	✓	✓	✓	✓		
Chemical Agent Fact Book (Unclassified/FOUO), <a href="#">DHS/Chemical Security and Analysis Center (CSAC)</a> (last accessed August 2011)	✓	✓	✓	✓	✓	
<a href="#">Chemical Hazards Emergency Medical Management (CHEMM)</a> , National Library of Medicine, Includes links to WISER(last accessed August 2011)	✓	✓	✓	✓		
<a href="#">Medical Management Guidelines, ATSDR</a> (last accessed August 2011)	✓	✓	✓	✓	✓	
<b>SOIL:</b>						
<a href="#">Watson AP and FG Dolislager (2007)</a> . <i>Reevaluation of 1999 Health-Based Environmental Screening Levels [HBESLs] for Chemical Warfare Agents</i> . ORNL/TM-2007/080, Oak Ridge National Laboratory, Oak Ridge, TN.	✓	✓	✓	✓	✓	
USACHPPM/ORNL, 1999. USACHPPM Technical Report: <i>Health-Based Environmental Screening Levels for Chemical Warfare Agents</i> , March 1999.	✓	✓	✓	✓	✓	
HQDA, 1999. Memorandum, Headquarters Department of the Army, Office of the Assistant Secretary for Installations, Logistics, and Environment, SUBJ: Derivation of Health-Based Environmental Screening Levels (HBESLs) for Chemical Warfare Agents, May 28, 1999.	✓					
Memorandum, Department of the Army, Subject: Interim Guidance for Chemical Warfare Material (CMW) Responses, April 1, 2009	✓	✓	✓	✓	✓	
<a href="#">US Dept. of the Army Pamphlet (DA-PAM)385-61</a> , <i>Toxic Chemical Agent Safety Standards</i> , 17 December 2008	✓	✓	✓	✓	✓	
<b>WATER:</b>						
<a href="#">National Research Council/Committee on Toxicology</a> . 1995. Guidelines for Chemical Warfare Agents in Military Field Drinking Water. COT Subcommittee on Guidelines for Chemical Warfare Agents in Military Field Drinking Water. National Academy Press, Washington, DC.		✓	✓	✓		
<a href="#">HQDA, 2010</a> . Technical Bulletin –Medical (TB Med) 577; Sanitary Control and Surveillance of Field Water Supplies.	✓	✓	✓	✓	✓	
<a href="#">Adeshina, F et al. 2009</a> . "Health-based Provisional Advisory Levels (PALs) for homeland security," <i>Inhalation Toxicology</i> , 2009; 21(S3):12-16. (**see EPA website to request specific PAL values and documents).	✓	✓**	✓**	✓**	✓**	
<b>CHRONIC TOXICITY VALUES</b>						
<a href="#">National Research Council/Committee on Toxicology</a> , 1999. <i>Review of the U.S. Army's Health Risk Assessments for Oral Exposure to Six Chemical-Warfare Agents</i> , National Research Council, National Academy Press, Wash DC, 1999.		✓	✓	✓		
<a href="#">Opresko, D.M. et al, 1998</a> . Chemical Warfare Agents: Estimating Oral Reference Doses, <i>Reviews of Environmental Contamination and Toxicology</i> Vol 156, pp 1-183.		✓	✓	✓	✓	
<a href="#">Opresko, D.M. et al, 2001</a> . Chemical Warfare Agents: Current Status of Oral Reference Doses, <i>Reviews of Environmental Contamination and Toxicology</i> Vol 172, pp 65-85.		✓	✓	✓	✓	
USACHPPM/ORNL, 1999. USACHPPM Technical Report: <i>Health-Based Environmental Screening Levels for Chemical Warfare Agents</i> , March 1999.	✓	✓	✓	✓	✓	
<b>Field Detection</b>						
<a href="#">USEPA 2010</a> . Field Screening Equipment Information Document – Companion to Standardized Analytical Methods for Environmental Restoration Following Homeland Security Events (SAM), Revision 5.0. Office of Research and Development, National Homeland Security Research Center. September 2010.		✓	✓	✓	✓	
<a href="#">Technology Evaluation Report</a> : Testing of Screening Technologies for Detection of Chemical Warfare Agents in All Hazards Receipt Facilities. Kelly et al, EPA/600/R-07/104, 2007.		✓	✓	✓		
<a href="#">USACHPPM, 2008</a> . Technical Guide 244: The Medical CBRN Battlebook, Oct 2008.	✓	✓	✓	✓	✓	
<b>Sampling</b>						
<a href="#">Chemical Stockpile Emergency Preparedness Program</a> (last accessed August 2011)	✓					
LLNL, 2001. T.M. Carlsen et al.; Sampling Requirements for Chemical and Biological Agent Decontamination Efficacy Verification; UCRL-AR-143245; US Department of Energy – Lawrence Livermore National Laboratory, March 29, 2001.	✓	✓	✓	✓	✓	
<a href="#">Watson AP and FG Dolislager (2007)</a> . <i>Reevaluation of 1999 Health-Based Environmental Screening Levels [HBESLs] for Chemical Warfare Agents</i> . ORNL/TM-2007/080, Oak Ridge National Laboratory, Oak Ridge, TN.	✓	✓	✓	✓	✓	
<a href="#">Black RM, Clarke RJ, Cooper DB et al. (1993)</a> . Application of headspace analysis, solvent extraction, thermal desorption and gas chromatography-mass spectrometry to the analysis of chemical warfare samples containing sulfur mustard and related compounds. <i>J Chromatog</i> 637, 71-80.	✓			✓		
<a href="#">SAM Companion Documents and Sample Collection Procedures</a> (last accessed August 2011)	✓	✓	✓	✓	✓	
<a href="#">Environmental Response Laboratory Network</a> (last accessed August 2011)	✓	✓	✓	✓	✓	
<b>Laboratory Analysis</b>						
<a href="#">EPA: Standardized Analytical Methods (SAM)</a> (last accessed August 2011)	✓					
<a href="#">Environmental Response Laboratory Network</a> (last accessed August 2011)	✓					
<a href="#">Integrated Consortium of Laboratory Networks (ICLN)</a> (last accessed August 2011)	✓					
<b>Decontamination and Cleanup</b>						
Army Intelligence and Security Doctrine. <a href="#">FM 3-11.9. Potential Military Chemical/Biological Agents and</a>						✓

<b>Reference Documents</b>	<b>General</b>	<b>G-Agents</b>	<b>VX</b>	<b>HD</b>	<b>L</b>	<b>HL</b>
<a href="#">Compounds</a> , January 2005.						
<a href="#">USACHPPM, 2008</a> . Technical Guide 244: The Medical CBRN Battlebook, Oct 2008.	✓	✓	✓	✓	✓	
<a href="#">Department of the Army Field Manual 3-11.5</a> . 2006. <i>CBRN Decontamination: Multi-Service Tactics, Techniques Procedures</i> . US Army Chemical School, Ft. Leonard Wood, MO	✓	✓	✓	✓	✓	
<a href="#">USACHPPM May 2009 - Technical Guide TG 195</a> , Safety and Health Guidance For Mortuary Affairs Guidance: Infectious Materials and CBRN Handling.	✓	✓	✓	✓	✓	
Kingery AF and HE Allen. 1995. The environmental fate of organophosphate nerve agents: A review. <i>Toxicological and Environmental Chemistry</i> . 47: 155-184.		✓	✓			
<a href="#">Talmage SS et al (2007b)</a> . Chemical Warfare Agent Degradation and Decontamination, <i>Current Organic Chemistry</i> 11: 285-298.		✓	✓	✓		
<a href="#">Munro NB et al., 1999</a> . "The Sources, Fate, and Toxicity of Chemical Warfare Agent Degradation Products", <i>Environmental Health Perspectives</i> , Volume 107, Number 12, December 1999. 933-974.		✓	✓	✓	✓	
<a href="#">Yang YC et al., 1992</a> . "Decontamination of chemical warfare agents." <i>Chem Rev.</i> 92: 1729-1743.	✓	✓	✓	✓		
<a href="#">Yang YC et al 1993</a> . "Perhydrolysis of agent VX" <i>J. Org. Chem.</i> 58: 6964-65.			✓			
Yang YC 1995, "Chemical reactions for neutralizing chemical warfare agents." <i>Chem. Ind.</i> 9: 334-7.	✓	✓	✓	✓		
<a href="#">Yang YC 1999</a> . "Chemical detoxification of nerve agent VX". <i>AccChem Res</i> 32: 109-15.			✓			
<a href="#">Wagner GW, et al. 2007</a> . Decontamination of VX, GD, and HD on a Surface Using Modified Vaporized Hydrogen Peroxide <i>Langmuir</i> ; Volume: 23 Issue: 3 Pages:178-86		✓	✓	✓		
<a href="#">Wagner GW and Yang YC 2002</a> ; Rapid Nucleophilic-Oxidative Decontamination of Chemical Warfare Agents. <i>IndEngChem Res</i> , Vol 41 1925-1928		✓	✓	✓		
<a href="#">Goldman M and Dacre JC, 1989</a> : Lewisite: It's Chemistry, Toxicology, and Biological Effects, <i>Rev Environ ContamToxicol</i> , VOL 110 PAGES 76-115.					✓	
<a href="#">Rosenblatt, David H. et al. 1975</a> . Problem Definition Studies on Potential Environmental Pollutants II, Physical, Chemical, Toxicological, and Biological Properties of 16 Substances					✓	
<a href="#">Williams JM, B. Rowland, MT Jeffery, et al. 2005</a> . Degradation kinetics of VX on concrete by secondary ion mass spectrometry. <i>Langmuir</i> 21: 2386-2390.			✓			
<a href="#">Jürgen Gäba, b, Harald Johnc and Marc-Michael Bluma 2011</a> . Formation of pyrophosphate-like adducts from nerve agents sarin, soman and cyclosarin in phosphate buffer: Implications for analytical and toxicological investigations <i>Toxicology Letters</i> , Volume 200, Issues 1-2, 15 January 2011, Pages 34-40		✓				
<a href="#">EPA 2011</a> : Evaluation of Household or Industrial Cleaning Products for Remediation of Chemical Agents, EPA/600/R-11/055, May 2011		✓	✓	✓		
<a href="#">EPA 2011b</a> : Decontamination of Sulfur Mustard and Thickened Sulfur Mustard Using Chlorine Dioxide Fumigation, EP -600-R-11-051, June 2011				✓		
<a href="#">EPA 2009</a> : Decontamination of Toxic Industrial Chemical and CWAs on Building Materials Using Chlorine Dioxide Fumigant and Liquid Oxidant Technologies, EPA/600/R-09/012, February 2009		✓	✓			
Battelle 1985: Development of Novel Decontamination Techniques for Chemical Agents Contaminated Facility Phase II Laboratory Evaluation of Novel Agent Decontamination Concepts.		✓	✓	✓		
<a href="#">EPA 2010</a> : Assessment of Fumigants for Decontamination of Surfaces Contaminated with Chemical Warfare Agents, EPA/600/R-10/035, March 2010.		✓	✓	✓		
<a href="#">Vogt, B.M. and J. H. Sorensen. 2002</a> . How clean is safe? Improving the effectiveness of decontamination of structures and people following chemical and biological incidents. ORNL/TM-2002/178. Oak Ridge National Laboratory, Oak Ridge, TN.	✓					
<a href="#">Watson AP and NB Munro. 1990</a> . Reentry Planning: The Technical Basis for Offsite Recovery Following Warfare Agent Contamination. ORNL-6628. Oak Ridge National Laboratory, Oak Ridge, TN.	✓					
<a href="#">Lalain et al. 2010</a> . Chemical –Warfare Agent Decontamination Efficacy Testing: Large-Scale Chamber mVHP® Decontamination System Evaluation Part 1: Comparison to ORD ECBC-TR-MS-3163, February 1, 2010		✓	✓	✓		
<a href="#">Department of the Army Field Manual 3-9, 1990</a> . Potential Military Chemical/Biological Agents and Compounds						✓
<b>Waste Disposal</b>						
Memorandum, Department of the Army, Subject: Interim Guidance for Chemical Warfare Material (CMW) Responses, April 1, 2009	✓	✓	✓	✓	✓	
<a href="#">US Dept. of the Army Pamphlet (DA- PAM)385-61</a> , <i>Toxic Chemical Agent Safety Standards</i> , 17 December 2008	✓	✓	✓	✓	✓	
U.S. Army — Proposed Utah Chemical Agent Rule (UCAR), May 1999 (Volume 1, Section XI.) "Development of Health-Based Waste Management Concentration Levels."	✓	✓	✓	✓	✓	
USACHPPM Information Paper "Management Criteria for Chemical Warfare Agent (CWA)-Contaminated Waste and Media" 10 October 00 as well as USACHPPM Technical Paper: "Chemical Warfare Agent Health-Based Waste Control Limits", dated September 2000.	✓	✓	✓	✓	✓	

**Note:** For HL the H and L references were considered in creating the HL entries for the various sections. When HL is specifically checked, this means the reference refers to specific information about the mixture.