

Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: Michael P. Wilson, Ph,D, MPH		
2. Your Title: National Director, Occupational and Environmental Health Program		
3. The Entity(ies) You are Representing: BlueGreen Alliance		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No X
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2015. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. None		
6. Please attach your curriculum vitae to your completed disclosure form. See attached.		

Signature: 

Date: June 12, 2018

MICHAEL P. WILSON, PhD, MPH
National Director
Occupational and Environmental Health
BlueGreen Alliance

EDUCATION

Environmental Health Sciences (Ph.D)	University of California, Berkeley	2003
Environmental Health Sciences (MPH—ABET)	University of California, Berkeley	1998
Biology (BA, with Thesis Honors)	University of California, Santa Cruz	1984

SPECIALIZED TRAINING

Trade Union Program (Diploma)	Harvard University	1995
Hazardous Materials Technician (Certification)	California Specialized Training Institute	1993
Spanish Language (Bilingual Certification)	Proyecto Francisco Marroquin, Guatemala	1987
Mobile Intensive Care Paramedic Program (Diploma)	Stanford University Hospital	1986

EMPLOYMENT

National Director **BlueGreen Alliance** **2016 – Present**

I oversee both the policy and technical elements of occupational and environmental health initiatives for BGA, a national coalition of the nation’s ten largest labor unions and five environmental organizations. My current portfolio includes process safety management (PSM) in the petroleum refining industry; green chemistry in the clean economy; environmental justice and climate policy; labor rights and the environmental movement; worker safety and health in clean technology manufacturing; chemicals policy; and chemical exposure assessment.

Chief Scientist **California Department of Industrial Relations (DIR)** **2013 – 2016**

DIR oversees the divisions of Cal/OSHA, Labor Standards Enforcement, Workers Compensation, Apprentice, and various Boards and Panels. In the DIR Director’s Office, I provided primary oversight for a state legal and engineering team in drafting a new, comprehensive process safety management (PSM) framework and regulation for the California petroleum refinery sector. This required expertise in industrial engineering and process safety. I drafted the regulatory text and all supporting technical documents. I also provided technical expertise to the DIR director in occupational safety, industrial hygiene, emergency response, technical writing, and exposure assessment. I represented the director on the State Emergency Response Commission (SERC). I worked closely with industry, labor, government and community stakeholders in this position and represented DIR before hearings of the U.S. Chemical Safety Board, the California Legislature and the U.S. Senate Environment and Public Works Committee. California adopted the landmark PSM regulation in May 2017.

Director **Labor Occupational Health Program (LOHP)** **2011 – 2013**

LOHP is a UC Berkeley occupational safety and health outreach and training program. As director, I served as principal investigator and chief administrator. I set strategic priorities; ensured the quality of our programs; served as liaison with the university and with unions, employers, government agencies, advocacy groups, funding agencies and foundations; provided technical support to the LOHP teaching staff on occupational safety and health issues; managed budgeting and grant writing; and launched strategic partnerships to advance the program’s mission. I presented the program’s work before academic meetings, occupational safety organizations, labor conferences and others, and I served as an LOHP instructor, teaching occupational safety to construction and industrial workers. I taught classes in emergency response, hazardous materials safety, confined space, safety engineering, chemical exposure assessment, and industrial hygiene. In 2012, with the

state Department of Industrial Relations, I conducted a statewide evaluation of worker and community perspectives on refinery safety, and I convened and chaired a multiagency meeting of Bay Area fire officials to evaluate the emergency response to the Richmond, Chevron refinery fire. I presented my findings and recommendations to the Governor's Interagency Working Group on Refinery Safety. This work required expertise in an array of technical areas as well as effective leadership and long-term strategic planning.

Assistant Research Scientist Center for Occupational & Environmental Health 2003 – 2010

COEH is a UC Berkeley education, service and research program. I conducted research and practice in occupational safety and health, particularly with regard to chemical exposures in high hazard industries. I authored technical policy documents in response to requests for assistance from the California Legislature and California EPA. I published my findings in the areas of chemicals policy, emergency response, regulatory policy, chemical exposure assessment, and industrial hygiene. I presented findings and recommendations at industry meetings, labor conferences and academic conferences; and I raised funds and administered program elements. My work formed the basis for the state's Green Chemistry Initiative and two pieces of legislation, AB 1879 (Feuer-D, LA) and SB 509 (Simitian-D, Palo Alto), which were signed into law by Governor Schwarzenegger. These laws are now in effect as the Safer Consumer Products Regulations and the Chemical Information Clearinghouse. This position required the highest standards of academic excellence, collaboration and policy leadership.

Doctoral and Masters Student Environmental Health Sciences 1996 – 2003

The UC Berkeley graduate program in environmental health sciences is a technical engineering and health sciences graduate curriculum accredited by the American Board of Engineering and Technology (ABET). I attended graduate school under a traineeship of the National Institute for Occupational Safety and Health (NIOSH) and other scholarships. I studied occupational safety and industrial hygiene, with technical coursework in exposure assessment, industrial safety, risk assessment, ergonomics, toxicology, epidemiology, biostatistics and occupational health policy. In my doctoral dissertation research, I conducted a field and analytical chemistry investigation of exposures among vehicle repair technicians to neurotoxic degreasing solvents. I worked closely with members of the Bay Area machinist's unions who were exposed to these solvents and subsequently developed a disabling nerve disease. The state Department of Public Health published my field and chemistry findings in a statewide Health Hazard Advisory for the vehicle repair industry. This work required a high degree of investigative and analytical skill, along with the highest standards of technical and literary excellence. My final UC Berkeley graduate school GPA: 3.9

Graduate Student Assistant Occupational Health Branch 1998 – 2002

This Branch of the state Department of Public Health provides outreach, education and technical support to workers, unions and employers on occupational health and safety issues. I provided technical support to Branch staff in responding to requests for information on chemical hazards; I assisted in the development of state Health Hazard Advisories; and I staffed the public information phone line. I left the branch in my final year as a graduate student at UC Berkeley in order to complete my doctoral dissertation.

Firefighter-Paramedic Salinas Fire Department 1991 – 1996

The SFD serves a jurisdiction of 55 square miles and handles about 12,000 emergency 911 responses per year. As a member of a three-person paramedic engine company, I provided emergency medical services at the advanced life support (ALS) level and served as the engine company firefighter and apparatus operator. I served as a hazardous materials technician, high angle rescue specialist, and bilingual English-Spanish translator, certified by the City of Salinas. I served as the senior medical officer for multi-casualty incidents. I served as chair of the labor-management health and safety committee, where I worked with Cal/OSHA standards on hazardous materials response, respiratory protection, hearing conservation, diesel exhaust, firefighter PPE, confined space rescue, blood-borne pathogens, and rescuer accountability at major incidents. Serving as a firefighter-paramedic

is a high-pressure job that requires a wide range of technical skills and the ability to work well with others under difficult circumstances; provide leadership under pressure; engage in sound decision-making; set priorities quickly and take action in stressful situations; and work professionally with emergency physicians, nursing staff, public agencies, and law enforcement.

Field Representative SEIU Local 250, Health Care Workers Union 1989 – 1991
 Local 250 is one of the nation's largest unions of health care workers. I organized and represented private ambulance paramedics and EMTs in the Central Coast and East Bay areas. I worked with rank-and-file leadership teams to build internal capacity, develop contract language and negotiate and enforce labor agreements. I organized and helped lead labor-management committees to solve health and safety problems facing paramedics and EMTs. I provided training to union leaders on Cal/OSHA standards pertaining to emergency response, blood-borne pathogens, hearing conservation, infectious disease, PPE, and confined space. I provided training on rights and obligations under the National Labor Relations Act. In English and Spanish, I organized and represented a racially and ethnically diverse population of workers in the Central Coast convalescent hospital sector. This position required a high degree of diplomatic skill and leadership; excellence in oral presentations; and proficiency in drafting technical and legally sound labor-management contracts.

Paramedic Santa Cruz Ambulance Paramedic Services 1985 – 1989
 SCA (now AMR) is the primary 911 emergency medical services (EMS) provider for Santa Cruz County, which encompasses both urban centers and remote rural areas. Each two-person paramedic ambulance team handles about 1,000 emergency responses per year. As a paramedic, I provided field patient care at the advanced life support level, including differential diagnosis of complex medical conditions; adult, pediatric and neonatal endotracheal intubation; IV access for administration of emergency medications; interpretation of EKGs in treating cardiac dysrhythmias; interosseous infusion; basic trauma life support, including decompression of tension pneumothorax; and other advanced procedures. I served as senior medical officer at multi-casualty incidents. I worked with the Cal/OSHA standards pertaining to bloodborne pathogens, hearing conservation, hazardous materials, PPE and infectious diseases. Serving as an EMS paramedic is a high-pressure position that requires excellence in a wide range of technical skills; equanimity under pressure; sound judgment; the highest standards of integrity and professionalism; the ability to work effectively with people and co-workers in difficult circumstances; and an unflinching sense of humor.

Emergency Medical Technician Santa Cruz Ambulance Services 1981 – 1985
 Position summary: SCA Services provided basic life support services and transportation in Santa Cruz County before the advent of paramedic services. I served both full-time and part-time as a member of a two-person ambulance team, providing emergency medical services at the basic life support (BLS) level. I left SCA to attend paramedic training at Stanford University Hospital, and I subsequently staffed the first mobile intensive care paramedic ambulance in Santa Cruz County.

Crewman, Coxswain & EMT U.S. Coast Guard Reserve Group Monterey 1979 – 1985
 Coast Guard Group Monterey serves a response area extending 50 miles offshore between the San Mateo and San Luis Obispo County lines. I served as a reserve boat crewman, EMT, and later as coxswain on 44' and 41' rescue vessels. These vessels are assigned to search and rescue operations, maritime law enforcement, and marine environmental protection response. I qualified as a Coast Guard Coxswain in 1983, where I was in command of the vessel and was responsible for the safety of the crew and the successful execution of the mission. I successfully completed the USCG Cape Disappointment Heavy Weather School at the Columbia River Bar, where students pilot self-righting 44' Motor Lifeboats in surf conditions. I commanded emergency maritime operations involving sinking vessels; vessels trapped in surf and floundering in heavy weather; diving emergencies; and other medical emergencies. I successfully commanded marine law enforcement operations,

working with Coast Guard Intelligence (CGI). Serving as a Coast Guard Coxswain requires leadership and confidence under physically difficult and stressful conditions; skills in the maritime arts; and diplomacy in working with the public and the maritime industry.

AWARDS & HONORS

Recipient: The Best of Scientific Solutions	<i>New Solutions</i> Journal at 20 Years	2012
Distinguished Alumnus, 1965-2010	By the Chancellor, UC Santa Cruz	2011
Environmental Leadership Award	Robert and Patricia Switzer Foundation	2010
Helen Clark Memorial Award	Silicon Valley Toxics Coalition	2009
Environmental Leadership Award	Robert and Patricia Switzer Foundation	2009
Environmental Sciences Fellowship	Robert and Patricia Switzer Foundation	2003
Robert Legge Memorial Award	American Industrial Hygiene Association	2002
James Keogh Memorial Award	American Public Health Association	2000
Bernard D. Tebbens Memorial Award	American Industrial Hygiene Association	1998
Industrial Toxicology Award	Environmental Health Sciences, UC Berkeley	1997
Industrial Occupational Safety Scholarship	Semiconductor Industry Safety Association	1997
Industrial Occupational Safety Scholarship	National Safety Council	1997
NIOSH CDC Graduate Traineeship	University of California, Berkeley	1996
Distinguished Service Award	International Association of Firefighters	1996
Harvard University Trade Union Program	International Association of Firefighters	1995
Honorable Discharge	U.S. Coast Guard Reserve	1986

PUBLICATIONS

Kokai, Schwarzman, **Wilson**. Choosing Metrics for Bioaccumulation and Persistence in Chemical Assessment for Cleaner Production. *Journal of Cleaner Production*. In preparation.

Wilson, Trombetta, Armstrong. The California Process Safety Management Framework: Integrating Inherent Safety into Regulatory Policy. *Process Safety Progress*. American Institute of Chemical Engineers (AIChE). In preparation.

Scruggs, Ortolano, **Wilson**, Schwarzman (2015) Effect of Company Size on Potential for REACH Compliance and Selection of Safer Chemical. *Env Science & Policy* 45:79-91.

Scruggs, Ortolano, Schwarzman, **Wilson** (2014). The Role of Chemical Policy in Improving Supply Chain Knowledge and Product Safety. *J. Env Studies and Sciences*.4:132-141 [[pdf](#)].

Wilson M (2012). In the Arc of History: AIHA and the Movement to Reform the Toxic Substances Control Act. *J. Occ Env Hygiene*, 9(5):D87-94. Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/22530686>

Wilson M, Madison H, Healy S (2012) Confined Space Emergency Response: Assessing Employer and Fire Department Practices. *J. Occ Env Hygiene* 9(2), 120-128. Abstract: <http://www.ncbi.nlm.nih.gov/pubmed/22300305>

Wilson M and Schwarzman M (2009). Toward a New U.S. Chemicals Policy: Rebuilding the Foundation to Advance New Science, Green Chemistry, and Environmental Health. *Env Health Persp* 177(8) 1202-1209. [[pdf](#)]

Demou E, Hellweg S, **Wilson M**, Hammond SK, and McKone (2009). Evaluating Indoor Exposure Modeling Alternatives for LCA: A Case Study in the Vehicle Repair Industry. *Environ. Sci. Technol.* 43. 5804–5810 [\[pdf\]](#)

Hughes J, Legrande D, Zimmerman J, **Wilson M**, Beard S (2009). Green Chemistry and Workers. *New Solutions* 19(2) 239-253. [\[pdf\]](#)

Wilson M, Schwarzman M, Malloy T, Fanning E, Sinsheimer P (2008). *Green Chemistry: Cornerstone to a Sustainable California*. Special Report to the California Environmental Protection Agency. University of California Centers for Occupational and Environmental Health. [\[pdf\]](#)

Wilson M, Madison H (2008). *Protecting Workers in Industrial Confined Spaces*. Report to the Los Angeles District Attorney and the California Occupational Safety and Health Standards Board. Center for Occupational and Environmental Health, School of Public Health, University of California, Berkeley. [\[pdf\]](#)

Wilson M, Hammond SK, Hubbard A, Nicas M (2007). Worker exposure to volatile organic compounds in the vehicle repair industry. *J Occ and Env Hyg.* May(4) 301-310 [\[pdf\]](#)

Schwarzman M, **Wilson M** (2009). New Science for Chemicals Policy. *Science* 326. 1065-1066. 20 Nov. [\[pdf\]](#)

Wilson M, Chia C, Ehlers B (2006). Executive Summary: Green Chemistry in California: A Framework for Chemicals Policy and Innovation. *New Solutions* 16(4) [\[pdf\]](#)

Wilson M, Chia C, Ehlers B (2006). *Green Chemistry in California: A Framework for Leadership in Chemicals Policy and Innovation*. Special Report to the California Senate Environmental Quality Committee and Assembly Committee on Environmental Safety and Toxic Materials. University of California, California Policy Research Center. [\[pdf\]](#)

BOOK CHAPTERS

Wilson M. (2018) Developments in Chemicals Policy, Science and the Market: 2008-2018. In: *Handbook of Household Hazardous Waste*. Amy Capaniss, Ed. 2nd Edition. Government Institutes, Maryland.

Wilson M, Schwarzman M (2015). International Chemicals Policy, Health and Human rights. In: *Current Diagnosis and Treatment: Occupational and Environmental Medicine, 5th Edition*. Ladou and Harrison, Eds. Lange Publishing, New York.

Maguire S, Iles A, Matus K, Mulvihill M, Schwarzman M, **Wilson M** (2014). Bringing new meaning to molecules by integrating green chemistry and the social sciences. In: *World Social Science Report 2013: Changing Global Environments*. Paris: United Nations Educational, Scientific, and Cultural Organization.

Wilson M, Chia C, Ehlers B (2012). Green Chemistry in California: A Framework for Leadership in Chemicals Policy and Innovation. In: *From Critical Science to Solutions: The Best of Scientific Solutions*. Richard Clapp, Ed. Baywood Publishing, New York.

Schwarzman M, **Wilson M** (2011). Reshaping Chemicals Policy on Two Sides of the Atlantic: The Promise of Improved Sustainability through International Collaboration. In *Transatlantic Regulatory Cooperation: The Shifting Roles of the EU, the US and California*. David Voge & Jo Swinnen, Eds. Edward Elgar Publications, United Kingdom.

Wilson M and Kirschner M (2008). Policy Developments in the United States Related to Chemicals and Electronic Waste. In *Governance, Risk and Compliance Handbook: Technology, Finance, Environmental, and International Guidance and Best Practices*, Anthony Tarantino, Ed. New York: Wiley & Sons.

Wilson M. Green Chemistry in California (2008). In: *Handbook of Household Hazardous Waste*. Amy Capaniss, Ed. 1st Edition. Government Institutes, Maryland.

TEACHING

Guest Lecturer in Environmental Health Sciences, UC Berkeley: 2010-Present
Graduate studies in EHS and industrial hygiene

Instructor, College of Chemistry: Spring 2011
Chemistry 234, *Green Chemistry and Sustainable Design: An Interdisciplinary Approach*

Guest Lecturer, School of Public Health: 2007—Present
PH 150B *Introduction to Environmental Health Sciences*
PH 200C *Graduate Core in Environmental Health Sciences*
PH 220C *Health Risk Assessment, Regulation and Policy*
PH 270A *Exposure Assessment & Control*

Guest Lecturer, College of Natural Resources: 2009—2012
Introduction to Toxicology

Guest Lecturer, Goldman School of Public Policy: 2007—2011
Environment and Technology in Policy and Business

Guest Lecturer, Stanford University School of Engineering: 2008—2011
Engineering and Environmental Design

Instructor, Cypress Mandela Pre-Apprenticeship Building Trades Training Center, Oakland

INVITED TESTIMONY

State

California Assembly Oversight Hearing: Assemblymember Bill Quirk, Chair. Proposition 65 Update. Toxic Chemical Exposure: Protecting and Informing the Public. August 23, 2017

Joint California Assembly and Senate Field Hearing: Senator Hancock and Assemblymember Skinner. Next Steps to Improving Refinery Safety. Richmond, Chevron Fire of August 6, 2012. Richmond, CA. April 5, 2013.

Joint California Assembly Oversight Hearing: Environmental Safety and Toxic Materials, and Health Committees. Implementation of AB 1879. Sacramento, CA. February 15, 2011.

Joint California Assembly Oversight Hearing: Environment Safety and Toxic Materials, Health, and Natural Resources Committees. Implementation of AB 1879. Sacramento, CA. August 3, 2010.

Joint California Assembly Oversight Hearing: Environmental Safety and Toxic Materials, Health, and Natural Resources Committees. Implementation of AB 1879. Sacramento, CA. February 24, 2009.

California Senate Environmental Quality Committee Field Hearing: Green Chemistry in California, Report from UC Berkeley. Palo Alto, CA. October 3, 2006.

California Senate Environmental Quality Committee: Green Chemistry in California, Report from UC Berkeley. Sacramento, CA. June 28, 2006.

Federal

U.S. Senate Environment and Public Works Committee. Oversight Hearing on Executive Order 13650 on Improving Chemical Facility Safety and Security. Washington, D.C. March 6, 2014.

U.S. Chemical Safety and Hazard Investigation Board. Hearing on the Findings of the CSB Interim Report on the Richmond, Chevron Fire of August 6, 2012. Richmond, CA. January, 2014.

OSHA, EPA, Department of Homeland Security field hearing on Executive Order 13650 on Improving Chemical Facility Safety and Security. Sacramento, January 2014.

U.S. Chemical Safety and Hazard Investigation Board. Hearing on the Findings of the CSB Interim Report on the Richmond, Chevron Fire of August 6, 2012. Richmond, CA. April 19, 2013.

U.S. Senate Committee on Environment and Public Works. Oversight Hearing on the U.S. Chemical Management Program and the Toxic Substances Control Act. Wash, D.C. August 2, 2006

APPOINTMENTS

Committee Member, Green Ribbon Science Advisory Panel Appointed by the Secretary, California EPA Secretary	2009 – 2014
Committee Member, Biomonitoring Science Guidance Panel Appointed by the Speaker, California State Assembly	2007 – 2014
Green Chemistry Science Advisory Panel Appointed by the Secretary, California EPA Secretary	2007 – 2009

* * * * *