

Western Michigan Industrial Hygiene Society

Occupational Exposure to Respirable Crystalline Silica PDC

Speaker Biographies:

Program Chair-Greg Zigulis, CIH, CSP-Sixth Sense Safety Solutions has over 30 years of Industrial Hygiene, Safety and Environmental program experience. This includes having worked for a variety of organizations that have required air sampling assessments for determination of levels of exposure to respirable crystalline silica, the development and establishment of exposure control plans, and corresponding ventilation, respiratory protection, medical monitoring, and training programs. His work in areas with silica-related concerns has included foundries, hazardous waste treatment operations involving respirable silica, consumable dental product material manufacturing, and construction. He is a member of the American Society of Safety Engineers and the American Industrial Hygiene Association and is a Board Member of the Western Michigan Industrial Hygiene Society.

Charles "Chuck" Rehmann, MDC Contracting, LLC is passionate about employee safety and health. Chuck is going to speak on the employer's role, duties and responsibilities, and on being a good steward. This stewardship translates into "knowing" what physical and environmental hazards are in the working environment, especially with to regard to airborne particulate and noise. Chuck holds a degree in Public Administration from MSU, has worked in government and is the retired owner of Overhead & Underground Electric Construction, Phoenix, AZ. Chuck now enjoys working in safety for MDC Contracting, LLC of Charlevoix and relocated to Michigan to be close to family and to enjoy the incredible and unique quality of life (and clean air) that Northern Michigan has to offer.

Eric Allen, Health and Safety Manager MIOSHA has been in the Health and Safety field since 2004. He received his undergraduate degree from Madonna University in Occupational Safety Health and Fire Science. He received his Master's Degree from Wayne State University in Occupational and Environmental Health Science. Eric began with MIOSHA in 2008. Eric covered Detroit as the MIOSHA Construction Safety Officer from 2008 -2011. From 2011 – 2014, Eric covered Wayne county as a MIOSHA Construction Industrial Hygienist. In 2014, Eric became the Health and Safety Manager in the Construction Safety and Health Division.

Matthew S. Macomber, CIH MIOSHA is an industrial hygienist in the Michigan OSHA General Industry Safety and Health Compliance Division. Matt has been an industrial hygienist for the last 20 years in the chemical industry, consulting and regulatory compliance. Matt is on the board of directors for the Michigan Industrial Hygiene Society and Industrial Hygiene Without Borders American Chapter and is an active member of the American Industrial Hygiene Society. He is on the AIHA Confined Spaces and Ergonomics Committee, and works on the AIHA Value Strategy Project. He has a B.S. in Environmental Science and Engineering from Lake Superior State University and an M.S. in Industrial Hygiene from Wayne State University.

Barbara Alexander, PhD, PE, CIH, NIOSH is a native of Cincinnati. After receiving her BS in Chemical Engineering from Michigan State University, she went on to earn MS and PhD degrees in Chemical Engineering, and worked in the chemical and nuclear industry for many years. Most of her engineering work was accomplished at the former DOE site, Mound Laboratory in Miamisburg, Ohio, and at a manufacturer of ABS plastic in Addyston, Ohio. She went back to school six years ago for an MS in Industrial Hygiene, and went to work for the NIOSH Division of Applied Research and Technology (DART) in 2014, where her background in industry has been a plus in her research. The Engineering and Physical Hazards Branch (EPHB) of DART specializes in engineering controls for chemical and biological hazards, primarily in the category of ventilation. Tracer gas studies are also performed to determine ventilation airflow. Dr. Alexander's current projects include silica control during hydraulic fracturing and field decontamination for firefighters, and she has 6 recent publications in the industrial hygiene and ergonomics literature. She considers helping workers go home safely every night to be a privilege.

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Debbie Dietrich, CIH, SKC Inc. is currently the Senior Vice President and Corporate Industrial Hygienist for SKC Inc. She holds a Master of Science in Industrial Hygiene from University of Texas in Houston. She has authored the chapter on "Sampling of Gases and Vapors" in the AIHA Publication, *The Occupational Environment—Its Evaluation and Control*. She is a Past Director of the National AIHA Board and a Past President of the Gulf Coast AIHA Section.

Robert Lieckfield, Jr., CIH, FAIHA, Bureau Veritas Mr. Lieckfield is responsible for the technical and business operations for Bureau Veritas' HSE laboratory operations in Novi, MI, Lake Zurich, IL, and Atlanta, GA. With more than 40 years in the industrial hygiene profession, he has extensive experience in laboratory method development, project management involving multidisciplinary teams, and collaborative studies involving consulting firms, industry, government, and academia. He has been involved in government and industry-wide studies on developing sampling and analysis methods including NIOSH, ASTM, USEPA, Institute for Polyacrylate Absorbents (IPA), and Automobile Manufacturer's Association.

Kenneth Rosenman, MD, Michigan State University (MSU) is a Professor of Medicine and Chief of the Division of Occupational and Environmental Medicine. He received the MSU Distinguished Faculty award in 2010. Dr. Rosenman is Board-Certified in Internal Medicine and in Occupational and Environmental Medicine. He received his medical degree from New York Medical College. He is a Fellow of the American College of Epidemiology, the American College of Occupational and Environmental Medicine, the American College of Preventive Medicine and the Collegium Ramazzini. For the last 28 years under the direction of Dr. Rosenman, the occupational and environmental health team at Michigan State University has worked closely with Michigan Occupational Safety and Health Administration (OSHA) and the Michigan Department of Health and Human Services to administer Michigan's occupational injury and illness surveillance program. He has an active research program in occupational and environmental disease with particular interest in the methodology for tracking occupational conditions and the etiology of pulmonary disease. He has published over 200 articles on occupational and environmental disease. In addition to laboratory operations, he has more than 10 years of experience directing environmental, occupational health, and air quality consulting operations. This experience encompassed directing and coordinating multidisciplinary teams of engineers, industrial hygienists, and laboratory personnel in both technical and financial aspects of the business.

Gary Visscher, Law Office of Adele Abrams, PC is an attorney with extensive experience in government and in labor/employment and health and safety law and policy. Since December 2009 Gary has been Of Counsel with the Law Office of Adele Abrams, P.C., and has worked primarily in the firm's safety and health (OSHA and MSHA) and regulatory practices. Gary also teaches courses in Environmental and Occupational Health Policy at the University of Maryland Baltimore County (UMBC). Previously, Gary served as a Presidential appointee on the Occupational Safety and Health Review Commission and the U.S. Chemical Safety Board, and as Deputy Assistant Secretary for OSHA at the U.S. Department of Labor. Gary has also served as Vice President for Employee Relations at the American Iron and Steel Institute, and as Workforce Policy Counsel for the U.S. House of Representatives Education and Workforce Committee, and Legislative Director for Rep. Paul Henry (R-MI). Gary grew up in Michigan and attended Calvin College and the University of Michigan Law School.

Luke Floyd, Eurovac is a Michigan State graduate and is the Michigan sales representative for Eurovac. For more than 30 years Eurovac has supplied engineered solutions to remove harmful dust and fume problems. Eurovac has extensive experience and is a market leader in industrial systems with source capture hand tools, industrial housekeeping and material handling systems.