



South Coast  
AQMD

## Assessing and Managing Toxic Risk from Alternative VOC Compounds

WEDNESDAY, OCTOBER 29, 2014

South Coast Air Quality Management District (SCAQMD)  
21865 Copley Drive  
Diamond Bar, California 91765

### SPEAKER BIOGRAPHIES AND CONTACT INFORMATION

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Barry Wallerstein  
Executive Officer  
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**Barry R. Wallerstein** holds a doctorate in environmental science and engineering from UCLA, and M.S. and B.S. degrees in biological science from USC. He has over 30 years of experience in urban planning and environmental assessment, with an emphasis in air pollution control and public policy development. Dr. Wallerstein has served at SCAQMD in various positions since 1984, and was appointed Executive Officer in August 1997. Dr. Wallerstein has also worked as an Environmental Control

Administrator for Northrop, and was a member of the rule development staff in the Mobile Source Division of the CARB early in his career.

Dr. Wallerstein currently serves on the Board of Directors of the California Air Pollution Control Officers Association, on the Mobile Sources Technical Review Subcommittee of the federal Clean Air Act Advisory Committee, and as an *Ex Officio* Member of the Executive Committee of the National Academy of Sciences' Transportation Research Board. He also serves on a variety of advisory boards at UC Davis, UCLA, UC Riverside and USC, which focus on research and public-private partnerships to help identify coordinated solutions for Southern California's regional urban challenges. Dr. Wallerstein previously served as Co-President of the National Association of Clean Air Agencies. His professional accomplishments were recognized by UCLA with his admission to the School of Public Health Alumni Hall of Fame.



Jean Ospital  
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**Jean Ospital** joined the SCAQMD as the Health Effects Officer in May, 2000. He has over 20 years of technical and managerial experience working on environmental problems in the private, governmental, and academic sectors. Ospital works to identify air toxics and methods for reducing emissions then reports his findings to the SCAQMD Governing Board and staff. Key areas he focuses on are health issues stemming from diesel, particulate matter, and air toxics. He also works with other

government agencies on studies on air pollution and its effects on health. Previously, he has held positions in the Environmental Affairs and Research and Development Divisions of Southern California Edison, as a consultant in environmental health, and on the research faculty at UCLA where he taught and conducted research on the health effects of air pollutants on lung biochemistry.

Dr. Ospital has extensive experience in applying technical information to the regulatory process of developing and complying with environmental regulations. He has served in numerous capacities working on environmental issues and regulations at both the national and state levels.

He earned a bachelor's degree in chemistry from the University of California, Santa Barbara. He holds both a master's degree in Public Health, Health Education and Behavioral Sciences, as well as a doctorate in Public Health, Environmental Health Sciences from the University of California, Los Angeles.



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**Naveen Berry** holds B.S. degree in Biochemistry from the University of California, Riverside, with Masters' in Environmental Science and Toxicology from the University of California, Los Angeles. He has over 25 years of experience in air pollution control and public policy development. In his current post as a Planning & Rules Manager, he is responsible for policy development on VOC related activities, including development of control strategies, area source rules

such as architectural coatings, and working with state and federal agencies on Consumer Products. Naveen's efforts in rule development have resulted in more than 100 tons of VOC reductions per day. Naveen also oversees all compliance activities associated with area sources and has developed and implemented innovative ways to maximize the efficiency of compliance staff. Additionally, Naveen manages the New Source Review and Administrative policy development.



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**Michael Krause** earned his Bachelor of Science in Petroleum Engineering with a minor in Environmental Science from the Colorado School of Mines in Golden, Colorado. Mr. Krause worked in the oil industry and the environmental consulting field before launching his 23-year career with the SCAQMD. Currently a Program Supervisor at the SCAQMD, Mr. Krause oversees the preparation of environmental assessments in accordance with the California Environmental Quality Act (CEQA) for

SCAQMD rule development and air quality permit projects, as well as the development of the upcoming 2016 Air Quality Management Plan (AQMP) complimenting his work supervising the 2012 AQMP. After leading the effort to create the California Emissions Estimator Model (CalEEMod) in 2010, Mr. Krause has chaired the statewide CalEEMod Focus Group within the California Air Pollution Control Officers Association (CAPCOA) in periodic updates and improvements to the model, along with assisting and advising users in its operation. Previously, Mr. Krause worked as an Air Quality Engineer permitting a variety of air polluting and toxic sources; as an Air Quality Specialist preparing over 120 environmental assessments in accordance with the requirements of the CEQA for new and modified rules and regulations; and managing the development of CEQA documents for 45 permit projects, including large refinery and utility projects. Mr. Krause has co-designed and developed the SCAQMD's CEQA website, was co-creator of SCAQMD 400-CEQA form, and has been an active member on a number of working groups developing significance thresholds for PM2.5, localized impacts, and greenhouse gases (GHGs) for industrial sources.



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**Dr. John Budroe** is currently Chief of the Air Toxicology and Risk Assessment Section in the Air, Community and Environmental Research Branch of Cal/EPA's Office of Environmental Health Hazard Assessment (OEHHA). He has been with OEHHA for the past 20 years doing public health risk assessment in support of the California Air Resources Board's Toxic Air Contaminants and Air Toxics Hot Spots programs and

the Proposition 65 program. Current interests include mechanism of action of inhaled toxicants including asbestos and diesel exhaust, methodology for cancer and non-cancer risk assessment, identification and estimation of special risks to children's health from air pollutants, and the public health impacts of alternative fuel use. He has also worked on the biochemical effects and genotoxicity of industrial chemicals and pharmaceuticals at the Naylor Dana Institute for Disease Prevention of the American Health Foundation, Valhalla NY.

He holds an undergraduate degree in Biology and a masters' degree in Nutrition Science from Drexel University, Philadelphia PA, and a doctorate in toxicology from the University of Arkansas for Medical Sciences, Little Rock AR.



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**Cathy Fitzgerald's** academic and professional experience includes designing and conducting health risk assessments, safety hazard assessments, air quality studies, hazardous waste site investigations, remedial action plans, and groundwater and soil vapor extraction systems. She has worked with various school districts in California to assess risks to school occupants from natural gas and petroleum pipelines, nearby railroads and light rail commuter lines, air

emissions from commercial and industrial facilities, and flooding hazards from large-diameter water pipelines or water storage tanks. Cathy conducts baseline health risk assessments, develops site-specific soil cleanup levels, uses vadose zone modeling to evaluate the potential threat to groundwater from soil contaminants, and conducts groundwater modeling. Cathy is a Registered Professional Engineer in the States of California and Nevada.

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**Dr. Mark Nicas** is a retired but recalled Adjunct Professor in Environmental Health Sciences Division at the School of Public Health (SPH), University of California, Berkeley (UCB). He also served as the Industrial Hygiene Program Director for 12 years. He has a Ph.D. and M.P.H. in Environmental Health Sciences from the SPH, UCB, a MS in Genetics from the University of Wisconsin, and a BS in Biology/Chemistry from the City College of New

York. He has been a practicing industrial hygienist for 37 years, and is certified in Comprehensive Practice by the American Board of Industrial Hygiene. Dr. Nicas pursues research involving exposure assessment for airborne chemical toxicants and microbial pathogens. He has published numerous articles on the use of mathematical modeling for exposure assessment.



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**Curtis L. Coleman** heads the Law Offices of Curtis Coleman in West Los Angeles and concentrates his practice in the area of environmental law. He has a unique expertise in air quality law and regulation, having worked on air quality regulatory matters in both the public and private sectors since 1975. He was former General Counsel for SCAQMD from 1980-1990, where he worked closely with the SCAQMD Governing Board and staff, the Environmental Protection Agency,

and the CARB, in the development of air quality regulations and air quality management plans.

Since leaving the SCAQMD, he has represented numerous private companies and public agencies in matters involving development of air quality regulations, environmental permitting and compliance issues, hazardous substance remediation, land use permitting, and CEQA counseling and litigation. Currently, he is representing clients on Title V permitting and RECLAIM permitting and implementation issues. He serves on the SCAQMD's Home Rule Advisory Group, AQMP Advisory Group, RECLAIM Working Group, and Budget Advisory Committee. He is the Executive Director of the Southern California Air Quality Alliance, a non-profit business league.



Julia Quint, Ph.D.  
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**Dr. Julia Quint** is retired from the California Department of Public Health (CDPH) where she was Chief of the Hazard Evaluation System and Information Service (HESIS), an occupational health program. She has a Ph.D. in Biochemistry from the University of Southern California and has worked in occupational health for over 30 years. Julia has developed and managed programs, projects, and policy initiatives that focused on protecting workers, communities, and the environment from toxic chemicals.

Since her retirement she has served on a number of scientific advisory committees, including committees of the National Academy of Sciences on Tetrachloroethylene and Design and Evaluation of Safer Chemical Substitutions, and the Cal/OSHA Health Experts Advisory Committee. She currently serves on the California Department of Toxic Substances Green Ribbon Science Panel, the Scientific Guidance Panel of the California Biomonitoring Program, and the CDC/NIOSH World Trade Center Scientific and Technical Advisory Committee. Julia has authored many peer-reviewed scientific articles and reports, and is the recipient of several awards for her work in public health.



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**Stephen R. Sides** currently is responsible for managing a staff of five technical professionals operating in all areas of health, safety and environmental control including air pollution, water quality/waste management, hazardous materials management, industrial hygiene, safety and fire protection, and product safety. Works with industry technical committees and corporate management in the development and communication of consensus

positions on health, safety and environmental issues before regulatory agencies and federal/state legislatures.

Along with top management in the industry, he supported the development of the paint and printing ink industry's health, safety and environmental management system, Coatings Care®, and is now working with international partners to oversee its adoption globally.

He serves as Secretariat for the International Paint and Printing Ink Council (IPPIC) a global coordinating group for the paint and printing ink industry. Founded in 1992, IPPIC has representation from the US and the European Union (EU), Mexico, Canada, Brazil, Europe, Japan, China, India, South Africa, and Australia. Oversees IPPIC's official consultative status as a non-governmental organization (NGO) before the United Nations (UN) Economic and Social Council (ECOSOC) and coordinates the development and communication of key industry positions before the UN.

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**Dr. Matthew Lakin** is the Manager for EPA Region 9's Air Planning Office, which has responsibilities for approving state and local plans to attain the national ambient air quality standards, including for ozone and particulate matter. Matt has been with EPA since 2002. He previously managed Region 9's Air Quality Analysis Office and also served as an Air Toxics Risk Assessor. Matt has a Ph.D. in Atmospheric Chemistry from the University of California, Irvine.

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**Dr. Katy Wolf** is director of the Institute for Research and Technical Assistance (IRTA), a nonprofit organization established in 1989. IRTA identifies, develops, tests and demonstrates safer low VOC, low toxicity alternatives in industrial and consumer product applications. IRTA also performs emerging and advanced technology demonstrations that reduce or eliminate the use of hazardous substances. IRTA's work focuses heavily on solvent alternatives in cleaning, dry cleaning, electronics,

paint stripping, coatings, lubricants, paint thinners and adhesives. Over the last 25 years, IRTA's projects have led to regulations that have reduced the use of hazardous substances in California by more than 100 tons per day. Dr. Wolf spent fourteen years at the Rand Corporation, where she performed research on alternatives to ozone depleting substances and chlorinated solvents. Dr. Wolf has authored more than 200 publications. She has a Ph.D. in Chemical Physics.

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**Don Vulich** is a Los Angeles native and graduated from Granada Hills High School in 1969. He earned a Bachelor of Science degree in History and Education from College of Idaho in 1973, and a Masters of Education in 1977, also from the College of Idaho.

Don taught both senior and junior high school in Idaho, and returned to Southern California in 1978 becoming Vice President of his father's paint contracting business, Angeles

Painting and Waterproofing Company. He has worked as a contractor for 35 years and during that time has been deeply involved by serving as President of both the Los Angeles Painting and Finishing Contractors Association (LAP&FCA), and the Painting and Decorating Contractors of California (PDCC). He also has been very active in the Finishing Contractors Association International, a professional trade association for contractors of all finishing trades.

As a result of this extended involvement in promoting professionalism within the painting industry, and due to many years of building relationships at local, state and national trade associations, Don was hired by the Los Angeles Painting and Finishing Contractors Association in July of this year.



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**Linda Delp** is the Director of UCLA-LOSH, the Labor Occupational Safety and Health Program, a nationally recognized center promoting safe jobs and worker health through teaching, outreach, education, and community-based research to inform policy initiatives ([www.iosh.ucla.edu](http://www.iosh.ucla.edu)). She has M.P.H. and Ph.D. degrees from the UCLA School of Public Health and is Adjunct Associate Professor in the Department of Community Health Sciences where she teaches a

cross-disciplinary graduate course. Research interests include occupational health disparities of women, teenage, low wage and immigrant workers; health and safety conditions facing workers in non-traditional and informal employment structures; the effectiveness of worker education and empowerment programs; and the integration of occupational health and health promotion programs. Dr. Delp was previously Western Region Director of Health and Safety for the Service Employees International Union. She has more than 20 years' experience in the field, creating bilingual health and safety education and research programs for workers in the U.S. and Mexico and developing union and labor-management programs in a variety of industries. She has also collaborated with the City of Los Angeles, labor and community groups to promote sustainable jobs for workers and the environment. She oversees a number of occupational health and safety contracts and grants and has authored numerous publications. Dr. Delp is past Chair of the Occupational Health and Safety Section of the American Public Health Association.

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**Jose Boria**

Education: UC Berkeley; Bacteriology

Prior State service

DPH: Environmental Health Diva/Food and Drug Branch/Food and Drug Investigator

Cal/EPA/DTSC: Industrial Hygienist

DFW/Office of Oil Spill Prevention and Response/Industrial Hygienist

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**Dr. Philip Fine** is the Assistant Deputy Executive Officer for Planning, Rule Development & Area Sources at the South Coast Air Quality Management District. In this role, Dr. Fine oversees a wide range of SCAQMD activities, including development of State Implementation Plans and the Air Quality Management Plan, strategies for particulate matter control, meteorology and forecasting, air quality evaluation, air toxics risk assessment, and rulemaking and enforcement for VOCs and area sources. Dr. Fine serves as

SCAQMD's member for the California Air Resources Board legislatively mandated Research Screening Committee. Prior to his current position, Dr. Fine's responsibilities at SCAQMD included oversight of ambient air monitoring, laboratory services, quality assurance, and source testing.

Prior to joining the SCAQMD, Dr. Fine was a Research Assistant Professor at the University of Southern California, Los Angeles where he taught courses and conducted extensive research on particulate pollution and its health effects, resulting in over 45 peer-reviewed scientific publications. He received his Ph.D. from California Institute of Technology in Environmental Engineering Science, and his bachelor's degree in Mechanical Engineering and Materials Science & Engineering from the University of California, Berkeley.

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**Dr. Elaine Chang** is the Deputy Executive Officer of Planning, Rule Development and Area Sources. Her responsibilities include implementation of agency goals and policies in the areas of rulemaking, air quality forecasting and modeling, emissions inventories, CEQA and socioeconomic analyses, PM control strategies, and strategic planning related to toxics, area sources, and transportation programs. Dr. Chang is also responsible for overseeing the development of the Air Quality

Management Plan for the South Coast region as well as climate change efforts.

Prior to joining SCAQMD, Elaine was an environmental engineer for Bechtel Western Power Corporation from 1983 to 1987. Her responsibilities included preparation of permit applications and environmental impact reports for energy projects.

Elaine holds a doctorate in Public Health from Columbia University, a master's degree in Health Education from New York University, and a bachelor's degree in Environmental Health from National Taiwan University.