Aliso Canyon Gas Leak Independent Expert Scientific Advisory Panel
Short biographical sketches of panel members

Office of Environmental Health Hazard Assessment, California Environmental Protection Agency

January 15, 2016

On January 6, 2016, Governor Brown issued a Proclamation of a State of Emergency and Order on the Aliso Canyon gas leak. The Governor's Order provides that "The Office of Environmental Health Hazard Assessment shall convene an independent panel of scientific and medical experts to review public health concerns stemming from the gas leak and evaluate whether additional measures are needed to protect public health beyond those already put in place." Today, the Office of Environmental Health Hazard Assessment is announcing the members of the independent panel, which is comprised of eight recognized experts from the University of California (UC) system. The panel includes experts in medicine, toxicology, epidemiology and exposure sciences as listed below.

Dean Baker, MD, MPH, Professor and Director, UC Irvine Center for Occupational and Environmental Health; Chief, Division of Occupational and Environmental Medicine, Department of Medicine, UC Irvine School of Medicine

> Dr. Baker is an expert in clinical occupational and environmental medicine, epidemiology, and children's environmental health. He has conducted community-based studies on the developmental toxicity of environmental chemicals in children and adolescents. He is the lead author of two textbooks on environmental epidemiology, former president of the International Society of Environmental Epidemiology, and fellow of the American College of Occupational and Environmental Medicine.

Alan R Buckpitt, MS, PhD, Professor Emeritus, Molecular Biosciences, UC Davis School of Veterinary Medicine
Member, State of California Scientific Review Panel on Toxic Air Contaminants

> Dr. Buckpitt is a toxicologist with specialized expertise in how toxic chemicals affect the respiratory tract. His research focuses on low molecular weight aromatic hydrocarbons that produce lung injury, and on metabolic breakdown and activation of toxic chemicals in the lung.

Timur S Durrani, MD, MPH, Assistant Clinical Professor of Medicine, Family Medicine, and Clinical Pharmacology, UC San Francisco (UCSF) School of Medicine; Associate Director, UCSF Pediatric Environmental Health Specialty Unit Clinical Services Program

> Dr. Durrani is Board certified in Family Medicine, Preventive Medicine, Medical Toxicology, and Occupational and Environmental Medicine. As a consultant for the Medical Toxicology Service, he provides clinical care for acutely poisoned patients at the San Francisco General Hospital, as well as outpatient Medical Toxicology consultations through the UCSF Occupational and Environmental Medicine Faculty Practice.

David A Eastmond, PhD, Professor and Chair of the Department of Cell Biology and Neuroscience, and Research Toxicologist, UC Riverside
Member, State of California Carcinogen Identification Committee

> Dr. Eastmond is a toxicologist with expertise in the mechanisms of toxicity and carcinogenesis of agricultural and environmental chemicals in humans and animals, including benzene. He previously served as Chair of the Board of Scientific Counselors for the National Toxicology Program, and is currently a member of the U.S. EPA Chemical Assessment Advisory Committee.

Ellen B Gold, PhD, Professor of Epidemiology, Department of Public Health Sciences, UC Davis
Chair, State of California Developmental and Reproductive Toxicant Identification Committee

> Dr. Gold is an epidemiologist with particular expertise in women's health. She is currently researching the endocrine and other health effects of lifestyle and environmental exposures in women and has previously conducted studies on reproductive and other health outcomes in female migrant farmworkers, semiconductor industry workers and communities with potential exposure to environmental contaminants.

Thomas E McKone, PhD, (retired) Professor of Environmental Health Sciences at the UC Berkeley School of Public Health; Senior Scientist and Deputy for Research in the Energy Analysis and Environmental Impacts Division, Lawrence Berkeley National Laboratory; Member, State of California Environmental Contaminant Biomonitoring Program Scientific Guidance Panel

> Dr. McKone is an expert in exposure science and chemical transport and transformation in the environment. His research focuses on the development of models and data for human-health and ecological risk assessments and on the health and environmental impacts of energy systems. He has been a member of more than a dozen National Academy of Sciences committees, and on consultant committees for the Organization for Economic Cooperation and Development (OECD), the World Health Organization, the International Atomic Energy Agency, and the Food and Agriculture Organization.

Dennis J Shusterman, MD, MPH, Professor Emeritus, UC San Francisco, Department of Medicine, Division of Environmental and Occupational Medicine

> Dr. Shusterman is an occupational and environmental health physician and expert in the health effects of air pollutants on the upper airway, including the nose, and on the health effects of odor pollutants. He studies the effects of irritant chemicals on the nose and upper airways, and examines inter-individual variability and sensitivity to inhaled irritants. He was the 2013 recipient of the Clean Air Award from California Breathing.

Yifang Zhu, PhD, Center for Clean Air Associate Director; Associate Professor of Environmental Health Sciences, UC Los Angeles, Fielding School of Public Health

Dr. Zhu has expertise in environmental exposure assessment, air pollution and aerosol science. Her current research focuses on measuring and modeling ultrafine particle emissions, transport, and transformation in the environment.