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February 7, 2012

The Honorable John A. Pérez Speaker of the Assembly State Capitol, Room 219 Sacramento, California 95814

Dear Mr. Speaker:

Thank you for asking the University of California to recommend at least three candidates for possible appointment to the Scientific Review Panel on Toxic Air Contaminants. Your request was made pursuant to your role as an appointing authority under Section 39670 of the California Health and Safety Code, which specifies that members of the Panel are to be appointed from a pool of nominees submitted to the appointing authority by the President of the University of California.

I am pleased to respond to your request and have identified six potential candidates in the area of toxicology. These individuals are scientific experts who hold academic appointments at universities in California, as specified by statute, and are judged to be well-qualified scientifically. As you requested, we have included in our consideration John Froines, whose term on the Toxic Air Contaminants Scientific Review Panel is about to expire.

Carroll Cross is a Professor and Medical Co-Director of the Adult Cystic Fibrosis Clinics at the UC Davis School of Medicine. He conducts research in inhalation toxicology, air pollution, ozone, and cystic fibrosis. Other research interests include studies of oxidant injury in biological systems, particularly in regard to antioxidant protection systems, protein oxidation and lipid peroxidation. Dr. Cross is an active physician affiliated with the Graduate Group in Pharmacology and Toxicology and the Graduate Group in Agricultural and Environmental Chemistry. He is a Fellow of the American College of Chest Physicians, and a past diplomate of the American Board of Internal Medicine with a Subspecialty in Chest Medicine.

John Froines is a Professor in the Department of Environmental Health Sciences at the UCLA School of Public Health and the Director of the UCLA Sustainable Technology & Policy program. His research focuses on the qualitative and quantitative characterization of risk factors from environmental and occupational

The Honorable John A. Pérez February 7, 2012 Page 2

exposures, with special emphasis on exposure assessment and hazard surveillance research. Other research interests include biomarkers and genetic toxicology in the study of chemical carcinogenesis and non-cancer toxicity, studies on the carcinogenicity of arsenic, beryllium and chromium, and the health effects and toxicity of airborne particulate matter. Dr. Froines is a member of the Collegium Ramazzini, the Association for the Advancement of Science, the American Chemical Society, the American Conference of Governmental Industrial Hygienists, the International Society of Exposure Analysis, and the American Industrial Hygiene Association.

Michael Kleinman is a Professor in the Department of Medicine at the UC Irvine School of Medicine, Co-Director of the Air Pollution Health Effects Laboratory, and a member of the UCI Center for Occupational and Environmental Health and the UCI Chao Family Comprehensive Cancer Center. Dr. Kleinman conducts research on the mechanisms by which inhaled toxic chemicals, alone and in mixtures, interfere with the cardiopulmonary system and with respiratory system defenses. As part of this work, he has developed and validated mathematical models for determining distribution of inhaled toxic agents at respiratory tract target sites following exposures under various levels of exertion and physical stress. Dr. Kleinman is a member of the Air and Waste Management Association, the American Association for the Advancement of Science, the American Association for Aerosol Research, the American Chemical Society, and the Society of Toxicology.

John Knezovich holds appointments as Director of University Relations & Science Education at the Lawrence Livermore National Laboratory (LLNL) and Adjunct Professor of Environmental Chemistry at UC Davis. His research focuses on the fate, toxicity and risk posed by organic contaminants, heavy metals and radionuclides present in the environment, with emphasis on the application of isotopes and ion-beam analytical techniques to assess the metabolism of contaminants and their bioavailability. At LLNL, Knezovich has led research groups that evaluated risks posed by a variety of toxic materials and established an NIH-supported national research center for low-dose biomedical research that enables exposure, metabolism and toxicological research in humans at environmentally-relevant levels of exposure. Dr. Knezovich is a member of the American Chemical Society and of the Society of Environmental Toxicology and Chemistry.

Pamela Lein is Professor of Neurotoxicology in the Department of Molecular Biosciences at UC Davis's School of Veterinary Medicine. Her research interests include neurotoxicology and neuropharmicology, with emphasis on the cell and molecular mechanisms by which environmental chemicals interfere with neuro-development, the role of cytokines and growth factors as critical regulators of neurodevelopment, potential neuroprotective agents in acute neurotoxic exposures,

The Honorable John A. Pérez February 7, 2012 Page 3

and the role of the autonomic nervous system in environmentally-induced asthma and cardiovascular disease. Dr. Lein is a member of the Society of Toxicology, the Society for Neuroscience, and the International Neurotoxicology Association.

Laura Van Winkle is an Associate Adjunct Professor in the Department of Anatomy. Physiology and Cell Biology at UC Davis's School of Veterinary Medicine. Her research examines the effects of air pollution on childhood health and diseases; the role of sex-differences and xenobiotic metabolism in lung toxicopathology; air pollution including tobacco smoke, napthalenes, particulates and ozone; and cell-cell interactions in lung wound healing, in lung disease (lung cancer and asthma) and during lung development. Dr. Van Winkle is a frequent peer reviewer, a diplomate of the American Board of Toxicology, and a member of the American Society for Cell Biology, the Society of Toxicology, the American Physiological Society, and the American Thoracic Society.

The University has reviewed their scientific credentials and the self-reported disclosure they deem relevant to service on the Toxic Air Contaminants Scientific Review Panel. We understand that these individuals will also be subject to an interview and vetting process administered by your office.

With best wishes, I am,

Sincerely yours,

Mark G. Yudof President

Provost Pitts cc: Senior Vice President Dooley Vice President Beckwith Associate Vice President Juarez