

**Invitation for Public Comment for the
EPA Science Advisory Board Panel for the Review of Hydraulic Fracturing Study Plan**

November 1, 2010

On September 10, 2010, the SAB Staff Office posted a List of eighty-five Nominated Candidates for a Panel under the auspices of the SAB that will provide independent expert advice on EPA's draft Hydraulic Fracturing Study Plan to investigate the potential public health and environmental protection research issues that may be associated with hydraulic fracturing. This List of Candidates is posted on the SAB Web Site at the following Web Site address: [http://yosemite.epa.gov/sab/sabproduct.nsf/02ad90b136fc21ef85256eba00436459/D3483AB445AE61418525775900603E79/\\$File/List+of+Candidates-Hydraulic+Fracturing+Study+Plan-9-10-10+Final.pdf](http://yosemite.epa.gov/sab/sabproduct.nsf/02ad90b136fc21ef85256eba00436459/D3483AB445AE61418525775900603E79/$File/List+of+Candidates-Hydraulic+Fracturing+Study+Plan-9-10-10+Final.pdf). Public comments on this List of Candidates were received by October 1, 2010.

The SAB Staff Office is seeking public comment on the following SAB members to be considered for this SAB Panel. Comments should be submitted to the attention of Mr. Edward Hanlon, Designated Federal Officer, no later than November 22, 2010. E-mailing comments (hanlon.edward@epa.gov) is the preferred mode of receipt.

Alexeeff, George

California Environmental Protection Agency

Dr. Alexeeff is Deputy Director for Scientific Affairs, Office of Environmental Health Hazard Assessment (OEHHA) of the California Environmental Protection Agency and an adjunct Professor in the Department of Environmental Toxicology at the University of California at Davis. He earned his Ph.D. in Pharmacology and Toxicology from the University of California at Davis and has been certified as a Diplomat of the American Board of Toxicology, Inc., (DABT) since 1986. He has reviewed over 140 documents evaluating human epidemiological or animal toxicological evidence for OEHHA or other agencies such as U.S. EPA. Dr. Alexeeff has recently served on the following National Academy of Sciences Committees: Review of the Federal Strategy to Address Environmental, Health, and Safety Research Needs for Engineered Nanoscale Materials (2008); Evaluating Efficiency of Research and Development Programs at the U.S. Environmental Protection Agency (2007); and Review the Office of Management and Budget Risk Assessment Bulletin (2006). Dr. Alexeeff's professional activities include: President of the Northern California Chapter of the Society of Toxicology (2006-2007); President of the Genetic and Environmental Toxicology Association of Northern California (1995); member of the Society of Toxicology; charter member of the Society for Risk Analysis.

Giesy, John P.

University of Saskatchewan

Dr. John P. Giesy is currently Professor and Canada Research Chair in Environmental Toxicology in the Department of Veterinary Biomedical Sciences and Toxicology Centre at the University of Saskatchewan. He is also Distinguished Professor Emeritus of Zoology at Michigan State University in East Lansing, Michigan, where he was a Professor for 26 years. Dr. Giesy is also Chair Professor at Large of Biology & Chemistry, at City University of Hong Kong and Concurrent Professor of Environmental Science at Nanjing University, China. He holds a B.S. in Biology from Alma College, Alma, Michigan, and an M.S. and Ph.D. in Fisheries & Wildlife (Limnology) from Michigan State University. Dr. Giesy is a world leading eco-toxicologist with interests in many aspects of eco-toxicology, including both the fates and effects of potentially toxic compounds and elements, particularly in the area of ecological risk assessment. He has conducted research into the movement, bioaccumulation, and effects of toxic substances at different levels of biological organization, ranging from biochemical to ecosystem. Dr. Giesy has done extensive research in the areas of metal speciation, multi-species toxicity testing, biochemical indicators of stress in aquatic organisms, fate and effects of PAHs, halogenated hydrocarbons, including chlorinated dibenzo-p-dioxins and -furans, PCBs and pesticides. He discovered the phenomenon of photo enhanced toxicity of organic compounds, such as PAHs and was the first to report the occurrence of perfluorinated chemicals in the environment. Dr. Giesy's studies include both laboratory and field as well as mesocosm studies and apply tools from molecular biology to ecosystem-level. He was the first to report the occurrence of perfluorinated compounds in the environment. Dr. Giesy has published 712 books and peer-reviewed articles and presented 1,134 lectures, world-wide. His research is much used and cited by other researchers - Dr. Giesy is in the top 0.01% of active authors (Institute for Scientific Information (ISI) Current Contents) and was the 2nd most cited author in the field of Ecology/Environmental Science over the period 1997-2007 over 15,000 citations, and his h-score is 62. He served six years on the USEPA Board of Scientific Councilors. He is currently a chartered member of the U.S. Environmental Protection Agency (EPA) Science Advisory Board and has served a member of six National Academy of Sciences panels, including: 1) Endocrine Disruptors, 2) Remediation of PCB-Contaminated Sediments, and 3) Bioavailability of Residues from Sediments and Soils. Dr. Giesy currently serves on the Boards of Scientific Councilors (BOSC) and the EPA Office of Research and Development (ORD) (Executive Committee). In 2009 he was named Einstein Professor by the Chinese Academy of Science and in 2010, he became a Fellow of the Royal Society of Canada as a member of the National Academy of Science.

Harris, Cynthia

Florida A&M University

Dr. Cynthia Harris attended the University of Kansas, where she received a B.A. (Honors' degree) in biology (1978) and a M.A. in genetics (1981). She received her Ph.D. in the biomedical sciences from Meharry Medical College in 1985, with concentration in the areas of nutritional biochemistry and toxicology. Dr. Harris was awarded a postdoctoral fellowship in the Interdisciplinary Programs in Health of the Harvard School of Public Health, where she conducted research regarding the effects of heavy metals on pulmonary function and environmental risk assessment. She is a Diplomat of the American Board of Toxicology (DABT). From 1990-1996, Dr. Harris served as a staff toxicologist and branch chief with the Agency for Toxic Substances and Disease Registry, a sister agency of the Centers for Disease Control and Prevention, in Atlanta, Georgia. Dr. Harris was the first African American branch chief of the Agency for Toxic Substances and Disease Registry. As branch chief of the Community Health Branch, she was responsible for the administration and management of staff who conducted environmental health assessments, at the request of individual citizens and community groups across the nation. In 1996, Dr. Harris accepted the position of Director of the Institute of Public Health at Florida A&M University. Since her tenure, she has been actively engaged in the general planning and development of the MPH program. The 1997 Florida State Legislature approved and appropriated funding to support the MPH program and the MPH program received full, maximum accreditation for its initial review (2000-2005). Dr. Harris has served on numerous committees and panels, which includes membership on the Board of Directors for the Florida Public Health Association, Chair of the Florida Public Health Partnership Council on Stroke, member of the Pregnancy Mortality Review Board, member of the Florida Sickle Cell Task Force, member of the American Public Health Association, member of the editorial board of the Harvard Journal of Public Health, reviewer for the Journal of Environmental Health, and board member for the Panhandle Chapter of the Florida March of Dimes. She has also provided a review for the Food and Nutrition Board of the National Academy of Sciences. She is a Full Member of the Society of Toxicology and was appointed by the Secretary of the U.S. Department of Health and Human Services to the Agency for Toxic Substances and Disease Registry Board of Scientific Counselors. In addition, she has served on numerous grant reviews for several federal agencies such as CDC, NIOSH, NIEHS and HRSA. She was also a panel member for the IOM Committee on the Gulf War and Health and was recently appointed by Congresswoman Donna Christensen to the Congressional Black Caucus Homeland Security Advisory Board. In December of 2004, Dr. Harris was appointed to the Council on Education for Public Health (CEPH) Board of Councilors for a three year term. CEPH is the national accrediting agency for all public health programs and schools of public health.

Murphy, Eileen

Rutgers University

Dr. Eileen Murphy is currently Grant Facilitator within the Ernest Mario School of Pharmacy at Rutgers University. She was formerly the Director of the New Jersey Department of Environmental Protection (NJDEP) Division of Science, Research and Technology. Before becoming Director in 2004, she served as Assistant Director for four years and as a research scientist for 15 years within the group at NJDEP, developing an expertise in the drinking water field. Dr. Murphy holds a B.S. in English with a minor in Biology from the University of Notre Dame, an M.S. in Environmental/Outdoor Education from Northern Illinois University, and a Ph.D. in Environmental Science from Rutgers University. Dr. Murphy has focused much of her career on drinking water science, including contaminant occurrence and fate & transport. She has been involved in the issue of lead service line replacement and has a broad expertise in the issue of infrastructure aging, particularly as it relates to contamination of drinking water. She is also experienced in the issue of unregulated contaminants in drinking water and the treatment to remove them from finished water. Her particular research emphasis is on exposures to toxic substances, fate and transport of toxic substances and assessments of the potential risks to human health and the environment posed by these exposures. She is co-author on numerous peer-reviewed scientific papers that have appeared in scholarly journals, including Environmental Science and Technology. In addition to her work with the NJDEP, Dr. Murphy is serving on a National Academy of Sciences Air Transportation Research Board panel, which is charged with investigating the influence of environmental factors on emissions of hazardous air pollutants from jet engines. Before coming to NJDEP, Dr. Murphy served as Assistant Director for the Douglass Project for Rutgers Women in Math and Science and as a Project Manager for the Center for Math, Science and Computer Education at Rutgers University.