**Invitation for Public Comment on the List of Candidates**
**for the Environmental Protection Agency's Clean Air Scientific Advisory Committee**

May 21, 2013

The U.S. Environmental Protection Agency (EPA) Science Advisory Board (SAB) Staff Office announced in a Federal Register Notice on April 12, 2013 (78 FR 21946 - 21948) that it was inviting nominations of scientific experts from a diverse range of disciplinary areas to be considered for the Administrator's appointment to the Clean Air Scientific Advisory Committee (CASAC). The CASAC provides independent advice to the EPA Administrator on the technical bases for EPA's national ambient air quality standards. For CASAC, the SAB Staff Office sought nominations of experts with subject matter expertise (health sciences, medicine, atmospheric sciences, modeling and/or risk assessment) who represent state air pollution control agencies.

The SAB Staff Office received nominations for the attached 10 candidates based on their expertise and willingness to serve. We hereby invite public comments on the attached List of Candidates for appointment or reappointment for consideration by the SAB Staff Office in the formation of this Committee. Comments should be submitted to Dr. Holly Stallworth, Designated Federal Officer, no later than June 11, 2013 at stallworth.holly@epa.gov. E-mail is the preferred mode of receipt. Please be advised that public comments are subject to release under the Freedom of Information Act.

## Allen, George A.

### Northeast States for Coordinated Air Use Management

Mr. George Allen is a Senior Scientist at NESCAUM (Northeast States for Coordinated Air Use Management), an interagency association of the eight Northeastern States. He holds a B.S. in Electrical Engineering from Tufts University (1974). At NESCAUM, Mr. Allen is responsible for monitoring and exposure assessment activities across a range of wide range of air topics, including regional haze, air toxics, on and off-road diesel, wood smoke, and continuous aerosol measurement technologies. He is the author or co-author of more than 30 peer-reviewed journal papers on development and evaluation of measurement methods, exposure assessment, and air pollution health effects. Before joining NESCAUM in 2002, Mr. Allen was on the professional staff at the Harvard School of Public Health (HSPH) in Boston for more than 20 years, working on a wide range of U.S. Environmental Protection Agency and National Institutes of Health- funded air pollution studies. While at HSPH, he developed several new techniques for real-time aerosol measurements. Currently, Mr. Allen is serving as the lead for the NESCAUM Monitoring and Assessment Committee. He also represents states interests to EPA in the National Association of Clean Air Agencies (NACAA) Monitoring Steering Committee, and is a member of the EPA AIRNow Steering Committee. Mr. Allen's current and pending research support pertains to scientific, technical, analytical, and policy support for NESCAUM states' air quality and climate programs, with a focus on air pollution exposure assessment and measurement methods development. These funders include New York State Energy Research and Development Authority (NYSERDA) (characterization of biomass air pollution), Massachusetts Department of Environmental Protection (spatial and temporal trends of black carbon), NESCAUM member states and Federal Land Managers (CAMNET visibility network), NESCAUM member states and US EPA (support member states' air quality programs).

## Baggiore, Trevor

### Arizona Department of Environmental Quality

Mr. Trevor Baggiore, Deputy Director of the Air Quality Division, has been with the Arizona Department of Environmental Quality (ADEQ) since 2001, and has served in a number of positions; including a staff level permit engineer, a permit unit supervisor, and manager of the Air Quality Permits Section. He has been the Deputy Director since 2010. His responsibilities as Deputy Director include providing direction and guidance for all aspects of the air quality program including ADEQ's vehicle emissions and inspection and air quality permitting programs. Mr. Baggiore holds a Bachelor of Science degree in Chemical Engineering and a Master of Business Administration from Arizona State University. He is also a registered professional engineer in Arizona.

## Boylan, James

### Georgia Department of Natural Resources

Dr. James Boylan is a Program Manager in the Environmental Protection Division of the Georgia Department of Natural Resources (GA DNR) Currently, he manages a team of six Ph.D. scientists in the Air Protection Branch's Data & Modeling Unit. Dr. Boylan is responsible for dispersion modeling with AERMOD and CALPUFF required for Prevention of Significant Deterioration (PSD) permit applications; meteorological, emissions, and air quality modeling required for Georgia's ozone, $PM_{2.5}$, and regional haze State Implementation Plans (SIPs); development of annual state-wide emission inventories for criteria pollutants; and technical analysis for nonattainment area designation recommendations (ozone, $PM_{2.5}$, lead, $SO_2$, $NO_2$). He has a B.S. in Chemical Engineering from the University of Notre Dame, a M.S. in Chemical Engineering from Auburn University, and a M.S. and Ph.D. in Environmental Engineering from the Georgia Institute of Technology (under the direction of Dr. Armistead "Ted" Russell). Dr. Boylan's Ph.D. research included the development of the first comprehensive three-dimensional Eulerian photochemical grid model (URM-1ATM) that included full ozone chemistry, heterogeneous sulfate chemistry, aerosol thermodynamics, wet deposition and scavenging, and the decoupled direct method (DDM) for ozone and particulate matter. This model was applied as part of the Southern Appalachian Mountain Initiative (SAMI) to simulate 1-hour maximum ozone, W126 ozone, speciated $PM_{2.5}$, acid deposition, and regional haze. Also, he developed and published the first model performance goals and criteria for $PM_{2.5}$ which has become the benchmark for most $PM_{2.5}$ modeling projects both nationally and internationally. Dr. Boylan was one of the first modelers to merge traditional air permit dispersion modeling with photochemical grid models. This includes the first application of a photochemical grid model to

evaluate the single source impacts on ozone and secondary $PM_{2.5}$ from a coal-fired power plant as part of a PSD permitting review. In addition, he developed the "Off-Set Ratio Approach" for accounting for $PM_{2.5}$ secondary formation from $SO_2$ and $NO_x$ in EPA's AERMOD steady-state dispersion model. He holds leadership positions within many regional and national workgroups including: Southeastern Modeling, Analysis, and Planning (SEMAP) Technical Analysis Work Group (Chair), SEMAP Emissions and Air Quality Modeling Workgroup (leader), SEMAP EGU Workgroup (leader), SEMAP On-Road Mobile Workgroup (leader), SEMAP Fire Workgroup (leader), SEMAP Regional Haze Workgroup (leader), Visibility Improvement State and Tribal Association of the Southeast (VISTAS) Emissions and Air Quality Modeling Workgroup (leader), National Inter-Regional Planning Organization Modeling Workgroup for Regional Haze (Co-Chair and Chair), Community Modeling and Analysis (CMAS) External Advisory Committee (only representative from state government), and National Association of Clean Air Agencies (NACAA) Technical Issues Workgroup for the PM Full-Cycle Analysis Project (Co-Chair). In 2001, Dr. Boylan was inducted into the Sigma Xi Scientific Research Honor Society.

## Felton, Dirk

### New York State Department of Environmental Conservation

Mr. Henry (Dirk) Felton is currently employed by the New York State Department of Environmental Conservation (NYSDEC) as a Research Scientist III. He has a Bachelor of Arts undergraduate degree in Physics from Kenyon College, Gambier Ohio (1987), and a Master of Science in Environmental Engineering from Stevens Institute of Technology in Hoboken, New Jersey (1993). He is also a Civil Engineer licensed in the State of New York. Mr. Felton's professional work has been entirely focused on ambient air monitoring. His first independent work involved setting up a monitoring network for criteria, toxic and tracer compounds around the Freshkills Landfill on Staten Island. Since then he has worked to optimize monitoring technology to operate a rural upwind Photochemical Assessment Monitoring Stations (PAMS) site for the North American Research Strategy for Ozone in the Northeast, conducted several experiments to evaluate new automated mass measurement technologies, initiated speciated Mercury and ultrafine monitoring programs and has designed the Federal Reference Method (FRM) for $PM_{2.5}$ which is particulate matter less than 2.5 micrometers in diameter. He also designed the PM speciation monitoring program in New York. Mr. Felton was the lead for his Agency's participation in the New York PM Technology Assessment and Characterization program, one of several U.S. EPA "Supersites" intended to provide enhanced measurement data on chemical and physical composition PM and its associated precursors. He participated on the Board of Science Counselors review of EPA Office of Research and Development (ORD) Clean Air Research program and was a two term member of the CASAC Ambient Air Monitoring and Methods subcommittee (AAMMs). Mr. Felton currently participates on the NESCAUM Monitoring Assessment Committee (MAC), the National Association of Clean Air Agencies (NACAA) Monitoring Steering Committee (MSC) and recently was elected to his local school board.

## Fine, Philip

### South Coast Air Quality Management District

Dr. Philip Fine is currently an Assistant Deputy Executive Officer in the Science & Technology Advancement Division at the South Coast Air Quality Management District in Diamond Bar, CA. His responsibilities include oversight of all field and laboratory activities related to the AQMD ambient network of over 36 air monitoring stations, source testing, compliance testing, quality assurance, and all special air monitoring research projects focusing on air toxics and the local impacts of air pollution. Dr. Fine has also managed several planning activities, including Air Quality Management Plan/SIP development, particulate matter control strategies, climate and energy, meteorology and forecasting, air quality evaluation, emissions reporting, and air toxics risk assessment. Prior to joining the AQMD, he was a Research Assistant Professor at the University of Southern California, Los Angeles where he taught courses and conducted extensive research on particulate pollution, its health effects, atmospheric science, and measurement methods resulting in over 45 peer-reviewed scientific publications. Dr. Fine 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.

## Honeycutt, Michael

### Texas Commission on Environmental Quality

Dr. Michael E. Honeycutt is the Director of the Toxicology Division of the Texas Commission on Environmental Quality (TCEQ). He holds a B.S. and Ph.D. inToxicology from Northeast Louisiana University. Dr. Honeycutt has been employed by the TCEQ since 1996 and has managed the Division of 14 toxicologists since 2003. His responsibilities include overseeing health effects reviews of air permit applications, overseeing the review of the results of ambient air monitoring projects, and overseeing the reviews of human health risk assessments for hazardous waste sites. Dr. Honeycutt spearheaded the updating of TCEQ's Effects Screening Levels (ESLs), or toxicity factors for chemicals. The current TCEQ ESL derivation procedure has been through two independent external scientific peer reviews and multiple rounds of public comment (http://www.tceq.texas.gov/toxicology/esl/guidelines/about.html). Dr. Honeycutt serves as a technical resource for TCEQ management and staff on issues concerning air and water quality, drinking water contamination and soil contamination. He also serves as an expert witness in public and state legislative hearings, participates in public meetings, and has conducted hundreds of media interviews. Dr. Honeycutt is an adjunct professor at Texas A&M University, has published numerous articles in the peer-reviewed literature, serves or has served on numerous external committees, and has provided invited testimony at Congressional hearings. The TCEQ receives both state and federal operating funds, and Dr. Honeycutt has received no external research grants from government agencies, private companies, or foundations.

## Kenski, Donna

### Lake Michigan Air Directors Consortium

Dr. Donna Kenski is the director of data analysis at Lake Michigan Air Directors Consortium (LADCO) in Rosemont, IL. She was awarded a Ph.D. in Environmental and Occupational Health Sciences (1997) and an M.S. in Public Health (1992) from the University of Illinois at Chicago. Dr. Kenski's responsibilities at LADCO require working closely with their member states to develop supporting information for State Implementation Plans. Specific tasks include: planning and implementing special-purpose monitoring studies; developing and applying statistical models to examine relationships between air quality, meteorology, and emissions; and applying exploratory and graphical data analysis techniques. Dr. Kenski's areas of expertise and research activities include source-receptor modeling and other observation-based models for source attribution of $PM_{2.5}$ and haze; ensemble trajectory analysis; conceptual model development integrating ambient data with theoretical and laboratory observations; visual display of quantitative data; and development and field testing of advanced monitoring technologies. In addition, Dr. Kenski's position at LADCO involves daily interaction with State, local, and Tribal monitoring personnel, such that she is intimately acquainted with their perspective on air monitoring issues. Dr. Kenski's leadership positions in associations, professional publications and other distinctions include chairing a Midwestern state data analysis workgroup and participation in the national Regional Planning Organization (RPO) data analysis workgroup. She is a reviewer for *Environmental Science and Technology*, the Journal of Air and Waste Management Association, and *Atmospheric Environment*, and is frequently an invited speaker at regional and national air quality meetings. Dr. Kenski is a member of the American Chemical Society, the Air and Waste Management Association, the American Association for Aerosol Research, and the American Geophysical Union. In addition, she is an Adjunct Associate Professor at the University of Illinois at Chicago.

## Massey, Eric

### Arizona Department of Environmental Quality

Mr. Eric C. Massey is the Director of the Arizona Department of Environmental Quality (ADEQ)'s Air Quality Division where he has served in this capacity since July 25, 2010. His duties include overseeing the following State of Arizona air quality programs: ambient monitoring network, pollution forecasting, compliance and enforcement, permitting, vehicle emissions inspections and the development of state implementation plans and rules. Mr. Massey holds a Bachelor of Science in Engineering degree in Chemical Engineering from Arizona State University, and has served in various capacities in ADEQ's Air Quality Division since 1998 including permit engineer, permit unit supervisor, manager of both the permit and compliance programs and Acting Deputy Director.

## Seidman, Nancy

### Massachusetts Department of Environmental Protection

Ms. Nancy L. Seidman is the Assistant Commissioner for the Bureau of Waste Prevention (BWP) of the Massachusetts Department of Environmental Protection (MassDEP). In that position, she leads BWP efforts on the criteria pollutant and climate programs, solid waste reduction and recycling and resource conservation and recovery (RCRA) programs, represents MassDEP on the MA Energy Efficiency Advisory Council and supervises BWP's data systems that support wide ranging programs, and manages federal and state grants that support these efforts. BWP's programs include areas such as: the Regional Greenhouse Gas Initiative, the Commonwealth's ambient monitoring network, other efforts to reduce toxics and criteria pollution, organics and solid waste diversion efforts, grants to the cities and town to support recycling, facility compliance with federal RCRA and underground storage tank programs, among others. Ms. Seidman has been at MassDEP since 1995; she was the Deputy Assistant Commissioner for Climate Strategies ('08-12) Division Director for Transportation and Consumer Programs ('01-08) and the Deputy Director for Air Program Planning ('95-01). From October 2005 - October 2006, Ms. Seidman served as the President of the National Association for Clean Air Agencies (NACAA), and she co-chairs NACAA's mobile source and fuels committee, a position she has held since 2002. Prior to joining MassDEP, Ms. Seidman worked for US EPA in the New England

regional office (’91-95), and for the Northeast States for Coordinated Air Use Management or NESCAUM (‘85-91). Ms. Seidman holds a Bachelor's degree in Chemical Engineering from Cornell University and an MBA in Public Management from Boston University.

## Wierman, Susan

## Mid-Atlantic Regional Air Management Association

Ms. Susan Wierman has been Executive Director of the Mid-Atlantic Regional Air Management Association (MARAMA) since 1996, where she oversees a training program for state and local agencies, the development of emissions inventories for regional modeling, and an active diesel emissions reduction program, and helps states developing regional haze State Implementation Plans (SIPs). Ms. Wierman was previously Deputy Director of Maryland’s air pollution control program, where she worked for 15 years. Her work for Maryland included a report on the impacts of acid rain, briefings for the Legislature on ozone nonattainment issues, and serving as a principal author of Maryland’s air toxics regulations. She began working in air quality planning in 1977 for Minnesota, where she prepared State Implementation Plans for the Iron Range (Total Suspended Particulates) and Rochester (Sulfur Dioxide). She is a Fellow Member of the Air and Waste Management Association (AWMA) and received the 2012 Griswold Award for Outstanding Air Pollution Control Official. A member of the Editorial Advisory Committee for the AWMA Environmental Managers (EM) Magazine, she has written numerous articles that provide clear descriptions of the provisions and context of major EPA rules. She holds (1972) BA and (1974) Masters degrees in Urban Planning from the University of Washington in Seattle and a Certificate in Continuing Engineering Studies from the Johns Hopkins University. Her masters thesis was published by the United Nations Education, Scientific and Cultural Organization (UNESCO) Press as part of the book, *Computer Handling of Geographic Data* (1976).