



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D.C. 20460**

**OFFICE OF THE ADMINISTRATOR
SCIENCE ADVISORY BOARD**

September 30, 2010

EPA-SAB-11-001

The Honorable Lisa P. Jackson
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

**Subject: SAB Recommendations for EPA's FY2010 Scientific and Technological
Achievement Awards (STAA)**

Dear Administrator Jackson:

The EPA Science Advisory Board (SAB) is pleased to transmit the SAB's recommendations for FY 2010 Scientific and Technological Achievement Awards (STAA). Each year since the program was established in 1980, the SAB has been asked by EPA's Office of Research and Development (ORD) to review EPA's nominated scientific papers and make recommendations for awards. We are pleased to continue our participation on this important program.

This year, ORD submitted a total of 145 nominations comprised of 214 papers in 14 science and technology categories for review by the SAB STAA Committee. Seventeen of these nominations were for a category entitled "EPA Project and Research Reports." ORD requested the STAA Committee to undertake a pilot study this year reviewing EPA Project and Research Reports as part of the traditional STAA review process. ORD instituted this new category as a pilot to determine the feasibility of expanding the number of high-quality EPA publications that are eligible for STAA nomination beyond those published in peer-reviewed journals. After careful deliberation at the June 28-30, 2010 closed meeting, the STAA Committee has elected to not undertake this pilot project. The Committee, however, recommends that the Agency use or establish other mechanisms to recognize the authors of major EPA reports that advance the scientific knowledge critical to EPA's mission. Committee members unanimously believe that it is critical for the excellent science produced within the Agency to be brought to the attention of the scientific community at large, and that the best way to accomplish that is to encourage Agency scientists and engineers to publish their work in the archival peer-reviewed literature. This process is in accord with the purpose of the STAA Committee, which is to evaluate the scientific value of the peer-reviewed literature produced by Agency scientists and engineers and to recommend the most exemplary contributions for Agency recognition. In fact, at least one

section of EPA's *Integrated Science Assessment for Particulate Matter* was submitted as a review article to a scientific journal. Further, the Committee is concerned that review of EPA reports that have policy components is generally outside the purview of this SAB committee and could conflict with other SAB review activities associated with these reports.

Of the remaining 128 nominations, the SAB recommends 61 nominations for monetary awards and another 33 deserving of honorable mention. Of the nominations recommended for monetary awards, 5 were recommended for Level I, the highest award; 14 for Level II; and 42 for Level III awards.

To facilitate the SAB review of future STAA nominations, the SAB also recommends that the Agency: 1) increase efforts to ensure that submissions of nominations adhere to existing STAA program guidelines; 2) properly categorize the nominations; 3) discourage submission of multiple nominations of papers involving the same EPA author(s) on similar topical areas; and 4) discourage submission of nominations published by standards-setting organizations.

The SAB applauds the Agency's public recognition of the scientific work of EPA scientists and engineers through publication in the peer-reviewed literature. This promotes the sound science and high quality research that bolsters EPA's mission. Thank you for providing the SAB with the opportunity to assist the Agency with this important program. The SAB looks forward to reviewing the FY 2011 nominations.

Sincerely,

/Signed/

Dr. Deborah L. Swackhamer, Chair
EPA Science Advisory Board

/Signed/

Dr. Taylor Eighmy, Chair
SAB Scientific and Technological
Achievement Awards Committee

NOTICE

This report has been written as part of the activities of the EPA Science Advisory Board, a public advisory group providing extramural scientific information and advice to the Administrator and other officials of the Environmental Protection Agency. The Board is structured to provide balanced, expert assessment of scientific matters related to the problems facing the Agency. This report has not been reviewed for approval by the Agency and, hence, the contents of this report do not necessarily represent the views and policies of the Environmental Protection Agency, nor of other agencies in the Executive Branch of the Federal government, nor does mention of trade names or commercial products constitute a recommendation for use. Reports of the EPA Science Advisory Board are posted on the EPA website at <http://www.epa.gov/sab>.

**U.S. Environmental Protection Agency
Science Advisory Board
Scientific and Technological Achievement Awards (STAA) Committee**

CHAIR

Dr. T. Taylor Eighmy, Vice President for Research, Office of the Vice President for Research, Texas Tech University, Lubbock, TX

MEMBERS

Dr. James Bus, Director of External Technology, Toxicology and Environmental Research and Consulting, The Dow Chemical Company, Midland, MI

Dr. Peter Chapman, Principal and Senior Environmental Scientist, Golder Associates Ltd., Burnaby, BC, Canada

Dr. John P. Giesy, Professor and Canada Research Chair in Environmental Toxicology, Department of Veterinary Biomedical Sciences and Toxicology Centre, University of Saskatchewan, Saskatoon, Canada; and Emeritus Distinguished Professor of Zoology, Michigan State University, East Lansing, MI

Dr. Cynthia M. Harris, Director and Professor, Institute of Public Health, Florida A&M University, Tallahassee, FL

Dr. Dale Hattis, Research Professor with the George Perkins Marsh Institute, Clark University, Worcester, MA

Dr. Michael T. Kleinman, Professor and Co-Director of the Air Pollution Health Effects Laboratory, Department of Medicine, Division of Occupational and Environmental Medicine, University of California, Irvine, Irvine, CA

Dr. Wayne Landis, Professor and Director, Institute of Environmental Toxicology, Huxley College of the Environment, Western Washington University, Bellingham, WA

Dr. Desmond F. Lawler, Distinguished Teaching Professor and Bob R. Dorsey Professor of Engineering, Department of Civil, Architectural and Environmental Engineering, University of Texas at Austin, Austin, TX

Reid Lifset, Associate Director of the Industrial Environmental Management Program and Resident Fellow in Industrial Ecology, School of Forestry and Environmental Studies, Yale University, New Haven, CT

Dr. Randy Maddalena, Scientist, Environmental Energy Technologies Division, Lawrence Berkeley National Laboratory, Berkeley, CA

Dr. Paulette Middleton, Creator and President, Panorama Pathways, Boulder, CO

Dr. Fred J. Miller, Independent Consultant, Fred J. Miller and Associates LLC, Cary, NC

Dr. John R. Smith, Division Manager, Environmental Science and Sustainable Technology, Alcoa Inc., Alcoa Center, PA

Dr. Robert Twiss, Professor of Environmental Planning Emeritus, University of California, Berkeley, Berkeley, CA

Dr. Yousheng Zeng, Air Quality Services Director, Providence Engineering and Environmental Group LLC, Baton Rouge, LA

Dr. Barbara Zielinska, Research Professor and Director, Organic Analytical Laboratory, Division of Atmospheric Sciences, Desert Research Institute (DRI), Reno, NV

SCIENCE ADVISORY BOARD STAFF

Mr. Edward Hanlon, Designated Federal Officer, 1200 Pennsylvania Avenue, NW
1400R, Washington, DC, Phone: 202-564-2134, Fax: 202-565-2098 (hanlon.edward@epa.gov)

**U.S. Environmental Protection Agency
Science Advisory Board
BOARD**

CHAIR

Dr. Deborah L. Swackhamer, Professor and Charles M. Denny, Jr., Chair in Science, Technology and Public Policy and Co-Director of the Water Resources Center, Hubert H. Humphrey Institute of Public Affairs, University of Minnesota, St. Paul, MN

SAB MEMBERS

Dr. David T. Allen, Professor, Department of Chemical Engineering, University of Texas, Austin, TX

Dr. Claudia Benitez-Nelson, Associate Professor, Department of Earth and Ocean Sciences and Marine Science Program, University of South Carolina, Columbia, SC

Dr. Timothy Buckley, Associate Professor and Chair, Division of Environmental Health Sciences, College of Public Health, The Ohio State University, Columbus, OH

Dr. Thomas Burke, Professor, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD

Dr. Deborah Cory-Slechta, Professor, Department of Environmental Medicine, School of Medicine and Dentistry, University of Rochester, Rochester, NY

Dr. Terry Daniel, Professor of Psychology and Natural Resources, Department of Psychology, School of Natural Resources, University of Arizona, Tucson, AZ

Dr. George Daston, Victor Mills Society Research Fellow, Product Safety and Regulatory Affairs, Procter & Gamble, Cincinnati, OH

Dr. Costel Denson, Managing Member, Costech Technologies, LLC, Newark, DE

Dr. Otto C. Doering III, Professor, Department of Agricultural Economics, Purdue University, W. Lafayette, IN

Dr. David A. Dzombak, Walter J. Blenko Sr. Professor of Environmental Engineering, Department of Civil and Environmental Engineering, College of Engineering, Carnegie Mellon University, Pittsburgh, PA

Dr. T. Taylor Eighmy, Vice President for Research, Office of the Vice President for Research, Texas Tech University, Lubbock, TX

Dr. Elaine Faustman, Professor, Department of Environmental and Occupational Health Sciences, School of Public Health and Community Medicine, University of Washington, Seattle, WA

Dr. John P. Giesy, Professor and Canada Research Chair, Veterinary Biomedical Sciences and Toxicology Centre, University of Saskatchewan, Saskatoon, Saskatchewan, Canada

Dr. Jeffrey Griffiths, Associate Professor, Department of Public Health and Community Medicine, School of Medicine, Tufts University, Boston, MA

Dr. James K. Hammitt, Professor, Center for Risk Analysis, Harvard University, Boston, MA

Dr. Rogene Henderson, Senior Scientist Emeritus, Lovelace Respiratory Research Institute, Albuquerque, NM

Dr. Bernd Kahn, Professor Emeritus and Associate Director, Environmental Radiation Center, School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA

Dr. Agnes Kane, Professor and Chair, Department of Pathology and Laboratory Medicine, Brown University, Providence, RI

Dr. Nancy K. Kim, Senior Executive, Health Research, Inc., Troy, NY

Dr. Catherine Kling, Professor, Department of Economics, Iowa State University, Ames, IA

Dr. Kai Lee, Program Officer, Conservation and Science Program, David & Lucile Packard Foundation, Los Altos, CA (Organizational affiliation provided for identification purposes only)

Dr. Cecil Lue-Hing, President, Cecil Lue-Hing & Assoc. Inc., Burr Ridge, IL

Dr. Floyd Malveaux, Executive Director, Merck Childhood Asthma Network, Inc., Washington, DC

Dr. Lee D. McMullen, Water Resources Practice Leader, Snyder & Associates, Inc., Ankeny, IA

Dr. Judith L. Meyer, Distinguished Research Professor Emeritus, Odum School of Ecology, University of Georgia, Lopez Island, WA

Dr. Jana Milford, Professor, Department of Mechanical Engineering, University of Colorado, Boulder, CO

Dr. Christine Moe, Eugene J. Gangarosa Professor, Hubert Department of Global Health, Rollins School of Public Health, Emory University, Atlanta, GA

Dr. Eileen Murphy, Manager, Division of Water Supply, New Jersey Department of Environmental Protection, Trenton, NJ

Dr. Duncan Patten, Research Professor, Hydroecology Research Program, Department of Land Resources and Environmental Sciences, Montana State University, Bozeman, MT

Dr. Stephen Polasky, Fesler-Lampert Professor of Ecological/Environmental Economics, Department of Applied Economics, University of Minnesota, St. Paul, MN

Dr. Stephen M. Roberts, Professor, Department of Physiological Sciences, Director, Center for Environmental and Human Toxicology, University of Florida, Gainesville, FL

Dr. Amanda Rodewald, Associate Professor, School of Environment and Natural Resources, The Ohio State University, Columbus, OH

Dr. Joan B. Rose, Professor and Homer Nowlin Chair for Water Research, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI

Dr. Jonathan M. Samet, Professor and Flora L. Thornton Chair, Department of Preventive Medicine, University of Southern California, Los Angeles, CA

Dr. James Sanders, Director and Professor, Skidaway Institute of Oceanography, Savannah, GA

Dr. Jerald Schnoor, Allen S. Henry Chair Professor, Department of Civil and Environmental Engineering, Co-Director, Center for Global and Regional Environmental Research, University of Iowa, Iowa City, IA

Dr. Kathleen Segerson, Professor, Department of Economics, University of Connecticut, Storrs, CT

Dr. V. Kerry Smith, W.P. Carey Professor of Economics, Department of Economics, W.P. Carey School of Business, Arizona State University, Tempe, AZ

Dr. Herman Taylor, Director, Principal Investigator, Jackson Heart Study, Jackson, MS

Dr. Barton H. (Buzz) Thompson, Jr., Robert E. Paradise Professor of Natural Resources Law at the Stanford Law School and Perry L. McCarty Director, Woods Institute for the Environment, Stanford University, Stanford, CA

Dr. Paige Tolbert, Professor and Chair, Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, GA

Dr. Thomas S. Wallsten, Professor and Chair, Department of Psychology, University of Maryland, College Park, MD

Dr. Robert Watts, Professor of Mechanical Engineering Emeritus, Tulane University, Annapolis, MD

SCIENCE ADVISORY BOARD STAFF

Dr. Angela Nugent, Designated Federal Officer, 1200 Pennsylvania Avenue, NW
1400F, Washington, DC, Phone: 202-564-2218, Fax: 202-565-2098 (nugent.angela@epa.gov)

1. BACKGROUND

EPA's Scientific and Technological Achievement Awards (STAA) was established in 1980 to recognize Agency's scientists and engineers who published their technical work in peer-reviewed literature. The STAA program is administered and managed by EPA's Office of Research and Development (ORD). Each year, the EPA Science Advisory Board (SAB) has been asked to review EPA's nominated scientific papers and make recommendations for awards. In November 2009, ORD's Acting Assistant Administrator Mr. Lek Kadeli announced the call for EPA nominations for the 2010 STAA program (Attachment 1). In April 2010, ORD submitted 145 nominations for 2010 STAA awards to the SAB Staff Office. ORD grouped the nominations into fourteen science and technology categories and screened them for conformance with EPA's *STAA Nomination Procedures and Guidelines*, which describes the award levels, eligibility criteria, and the criteria the SAB should use to evaluate the nominations for awards. The topical categories for nominations were: Control Systems & Technology, Ecological Research, Energy and the Environment, Environmental Policy and Decisionmaking Studies, Health Effects Research and Human Health Risk Assessment, Homeland Security, Industry and the Environment, Integrated Risk Assessment, Monitoring & Measurement Methods, Other Environmental Research, Review Articles, Risk Management and Ecosystem Restoration, Transport and Fate, and U.S. EPA Project and Research Reports. The number of 2010 STAA nominations sorted by topic category submitted by ORD were as follows:

Topic	Number of Nominations
Control Systems and Technology	8
Ecological Research	22
Energy and the Environment	2
Environmental Policy and Decisionmaking Studies	1
Health Effects Research and Human Health Risk Assessment	32
Homeland Security	3
Industry and the Environment	3
Integrated Risk Assessment	5
Monitoring and Measurement Methods	10
Other Environmental Research	7
Review Articles	13
Risk Management and Ecosystem Restoration	4
Transport and Fate	18
U.S. EPA Project and Research Reports	17

Of the 145 nominations, 17 nominations fall under the category entitled "EPA Project and Research Reports." ORD's National Center for Environmental Research (NCER) Director Dr. William Sanders requested of the STAA Committee Chair that the Committee undertake a pilot study this year reviewing EPA Project and Research Reports as part of the traditional STAA review process (Attachment 2). ORD instituted this new category as a pilot to determine the feasibility of expanding the number of high-quality EPA publications that are eligible for STAA nomination.

EPA's criteria for STAA Program awards are as follows:

- 1) Level I awards - are for nominees who have accomplished an exceptionally high-quality research or technological effort. The nomination should recognize the creation or general revision of a scientific or technological principle or procedure, or a highly significant improvement in the value of a device, activity, program, or service to the public. It must be at least of national significance or have high impact on a broad area of science/technology. The nomination must be of far reaching consequences and recognizable as a major scientific/technological achievement within its discipline or field of study.
- 2) Level II awards - are for nominees who have accomplished a notably excellent research or technological effort that has qualities and values similar to, but to a lesser degree, than those described under Level I. It must have timely consequences and contribute as an important scientific/technological achievement within its discipline or field of study.
- 3) Level III awards - are for nominees who have accomplished an unusually notable research or technological effort. The nomination can be for a substantial revision or modification of a scientific/technological principle or procedure, or an important improvement to the value of a device, activity, program, or service to the public. It must relate to a mission or organizational component of the EPA, or significantly affect a relevant area of science/technology.
- 4) Honorable Mention - The Agency has also added a fourth non-cash level award for nominations which are noteworthy but which do not warrant a Level I, II or III award. Honorable Mention applies to nominations that: (1) may not quite reach the level described for a Level III award; (2) show a promising area of research that the Committee wants to encourage; or (3) show an area of research that the Committee believes is too preliminary to warrant an award recommendation at this time.

2. SAB REVIEW PROCEDURE

In response to ORD's request, the SAB Staff Office augmented the 2009-2011 SAB STAA Committee with additional experts to review the FY2010 STAA nominations. The augmented Committee was formed in accordance with the SAB process as described in the SAB 2002 publication, *Panel Formation process: Immediate Steps to Improve Policies and Procedures* (EPA-SAB-EC-COM-02-003). Where conflicts or potential conflicts of interest existed, Committee members recused themselves from the review and discussion process for certain nominations as appropriate.

The SAB review consisted of a two-step process: an initial review of each nomination, followed by a Committee discussion of all nominations at a closed meeting on June 28-30, 2010 in Washington, DC. The meeting was closed to the public to protect the personal privacy of the authors. Committee members reviewed 128 nominations. Seventeen pilot project nominations in the category of "U.S. EPA Project and Research Reports" were deferred for discussion at the June meeting. The initial review was conducted by 2 to 4 members. Prior to the meeting, Committee members provided their individual initial ratings of the nominations based on EPA's award criteria as described under Section 1. At the June meeting, the Committee first discussed the appropriateness for SAB review of the 17 pilot project nominations. The Committee then discussed each of the 128 nominations and reached consensus on the evaluations and recommendations for awards. The Committee combined 14 nominations into 7 nominations due to topic similarities. In addition, the Committee also discussed administrative recommendations for improving the 2010 STAA nomination process.

The external draft report (August 2010, without Appendix) was submitted to the chartered SAB for discussion at the September 21, 2010 public meeting. The draft was unanimously approved by the Board.

3. AWARD RECOMMENDATIONS

After careful deliberation at the June 28-30, 2010 closed meeting, the STAA Committee has elected to not undertake the pilot project to review the 17 EPA Project and Research Reports as part of the traditional STAA review process. The Committee, however, recommends that the Agency use or establish other mechanisms to recognize the authors of major EPA reports that advance the scientific knowledge critical to EPA’s mission. Committee members unanimously believe that the best means for EPA to promote good science produced within the Agency with the scientific community at large is to encourage Agency scientists and engineers to publish their work in the archival peer-reviewed literature. This process is in accord with the purpose of the STAA Committee, which is to evaluate the scientific value of the peer-reviewed literature produced by Agency scientists and engineers and provide the highest level of review for Agency recognition. Further, the Committee is concerned that review of EPA reports that have policy components is generally outside the purview of this SAB committee and could conflict with other SAB review activities associated with these reports.

The Table below summarizes the awards by year since 2000, including the recommendations for 2010. The Committee recommended 61 nominations for 2010 STAA monetary awards and another 33 for honorable mention. Of the works recommended for monetary awards, 5 were recommended for Level I, 14 for Level II, and 42 for Level III. Appendix A lists the recommended monetary awards and nominations that deserve an Honorable Mention. The final rankings were agreed to at the meeting by Committee consensus.

Comparison of Award Recommendations over Time

Award Level	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010*
Nominations Reviewed	102	126	140	136	146	110	90	140	130	109	121*
Level I	0	2	4	7	6	3	5	5	5	3	5
Level II	5	11	7	18	13	6	11	13	16	22	14
Level III	36	29	26	29	32	30	29	37	30	31	42
Honorable Mention	20	21	39	33	37	31	26	45	43	25	33
Not Recommended	41	63	64	49	58	40	19	40	36	28	27
Not Eligible	0	0	0	0	0	0	0	0	0	0	3**

* In 2010, the SAB STAA combined fourteen nominations into seven nominations due to topic similarities.

** Duplicate nominations.

4. ADMINISTRATIVE RECOMMENDATIONS

The Committee appreciates EPA's efforts to satisfactorily implement recommendations from last year's report to the Administrator. In particular, the Committee identified significant improvements in the justifications for awards provided within the nominations regarding the breadth and importance of submitted papers and value and relevance of the work to the Agency's mission.

During the June 28-30, 2010 meeting, the Committee identified four aspects of the nomination process that might be improved in future years: 1) increase efforts to ensure that submissions of nominations adhere to existing STAA program guidelines; 2) properly categorize the nominations; 3) discourage submission of multiple nominations of papers involving the same EPA author(s) on similar topical areas; and 4) discourage submission of nominations from standards-setting organizations. These observations are offered with the hope that the nomination process can continue to ensure STAA's fidelity towards recognizing outstanding science.

Increase efforts to ensure that submissions of nominations adhere to existing STAA program guidelines

The 2010 STAA Committee has noted many examples where greater attention to nomination guidelines would be beneficial to the review process. For example, there were:

- (a) Duplication of nominations;
- (b) Resubmission of previous year's nominations; and
- (c) Omission of information on prior STAA awards.

In addition, the Committee Members had concerns about the need for the nominator(s) to verify the authorship of nominations. For example, nominations were authored by former employees. In other cases, the authors were not EPA employees when the work was conducted.

Properly categorize the nominations, and discourage submission of multiple nominations of papers involving the same EPA author(s) on similar topical areas

The Committee strongly believes that some papers are grouped and submitted under different subject categories in an attempt to maximize opportunities for cash awards. It is increasingly common to receive a number of nominations of papers that have similar justifications, address themes and/or methods that are essentially the same, have the same or similar groups of authors, and support closely related conclusions. The current nomination form restricts each nomination to a maximum of 3 papers per nomination, and requires that the nomination be categorized within a specific topic. Some prolific researchers had several nominations containing 3 papers each, and all papers within these nominations were topically similar. However, these nominations were inappropriately categorized into different topic areas. It was often difficult for the Committee to discern significant differences in intellectual and scientific contributions between these nominations, and confusing for the Committee to find such papers spread among many categories. It was also difficult for the Committee members to

identify similar papers that were nominated in previous years since an index of previous nominations and awards was not available to the Committee.

The Committee strongly discourages the practice of grouping similar papers and submitting groups to different categories. The Committee bases its recommendations for STAA Program awards on merit and does not base recommendations on the allocation or distribution of awards by subject category. The Committee uses these categories solely to assign nominations for review and to consider workload of STAA Committee members relative to STAA Committee composition.

As noted previously, in both the Committee's 2008 and 2009 reports to the Administrator, the Agency should discourage the practice of submission of multiple nominations of papers involving the same EPA author(s) on similar topical areas. The Agency should also develop an index of STAA papers that have been nominated during the previous 5 years. The index should be updated annually and provided to the SAB Staff Office with the nominated papers. In addition, the Committee recommends that the Agency annually develop a table that alphabetically lists all researchers nominated more than once for that year's awards, and provide the table to the SAB Staff Office with the index. The table should identify all nominations and paper titles that researcher helped to author.

Discourage submission of nominations from standards-setting organizations

Nominations of methods papers published by standards-setting organizations are commendable but difficult to ascertain authorship contribution. The Committee recommends that the nomination guidelines be updated to discourage nomination of methods papers published by standards-setting organizations.

Attachment 1

November 2009 Memoranda from ORD's Acting Assistant Administrator Mr. Lek Kadeli announced the call for EPA nominations for the 2010 STAA program

November 18, 2009

MEMORANDUM

SUBJECT: The 2010 Scientific and Technological Achievement Awards (STAA) Program

FROM: Lek Kadeli /signed/
Assistant Administrator (8101R)

TO: Assistant Administrators
Associate Administrators
Regional Administrators
ORD Center/Laboratory Directors

It is a pleasure to announce this year's call for nominations for the 2010 Scientific and Technological Achievement Awards (STAA) program. STAA is an Agency-wide competition, judged by the Science Advisory Board (SAB), which recognizes outstanding published scientific and technical papers by the Agency's staff. This year's nominations will be accepted via electronic submission to Nomination.STAA@EPA.gov.

I am also pleased to announce that, in an effort to encourage greater participation from across the Agency, the 2010 Scientific and Technological Achievement Awards (STAA) program will expand the types of eligible publications on a pilot basis. Research and Project Reports from across EPA will be eligible for STAA submission in 2010. Other aspects of the STAA program, such as the evaluation criteria, are not expected to significantly change.

Attached are (1) nomination procedures and guidelines, (2) program schedule, and (3) nomination forms. Official 2010 nomination forms are available for your convenience in MS Word and screen fillable Portable Document Format (PDF) at <http://es.epa.gov/ncer/staa/>. All nominations must be received no later than midnight ET Thursday, January 14, 2010. Instructions for completion and electronic submission of nomination packages are attached. Should questions arise, please contact Dr. Thomas O'Farrell at (202) 343-9639 or O'Farrell.Thomas@epa.gov.

cc: EPA Science Advisory Board
EPA Program Offices
EPA Regional Offices

November 18, 2009

EPA SEEKING APPLICATIONS FOR 2010 STAA AWARDS

MEMORANDUM

SUBJECT: The 2010 Scientific and Technological Achievement Awards (STAA) Program

FROM: Lek Kadeli /signed/
Assistant Administrator

TO: All EPA Employees

I am pleased to issue this year's call for nominations for the EPA's prestigious 2010 Scientific and Technological Achievement Awards (STAA). Each year, EPA recognizes outstanding papers written by the Agency's staff and published in scientific and technical journals. STAA is open to all EPA employees, judged by the EPA's Science Advisory Board (SAB), and managed by the Office of Research and Development.

I am also pleased to announce that, in an effort to encourage greater participation from across the Agency, the 2010 STAA program will expand the types of eligible publications on a pilot basis. Research and Project Reports from across EPA will be eligible for STAA submission in 2010. Other aspects of the STAA program, such as the evaluation criteria, will not significantly change.

Nominations can be submitted in the following categories:

- Control Systems and Technology
- Ecological Research
- Health Effects Research and Human Health Risk Assessment
- Monitoring and Measurement Methods
- Transport and Fate
- Review Articles
- Risk Management and Ecosystem Restoration
- Integrated Risk Assessment
- Environmental Policy and Decision-Making Studies
- Homeland Security
- Industry and the Environment
- Energy and the Environment
- Other Environmental Research
- U.S. EPA Project and Research Reports

STAA winners are eligible for monetary awards. In addition, winners are recognized each summer at the ORD Awards Ceremony.

This year's nominations will be accepted via electronic submission to Nominations.STAA@epa.gov. You can find the nomination forms and guidelines at www.epa.gov/ncer/staa/forms.html. Nominations will be accepted until midnight ET on Thursday, January 14, 2010. Additional information about the STAA program can be found at www.epa.gov/ncer/staa. Should questions arise, please contact Thomas O'Farrell at (202) 343-9639 or O'Farrell.Thomas@EPA.gov.

Attachment 2

May 2009 Letter from National Center for Environmental Research (NCER) Director Dr. William Sanders to STAA Committee Chair on Pilot Project

May 28, 2010

Dr. T. Taylor Eighmy
Vice President for Research
Office of the Vice President for Research
Texas Tech University
Box 41075
Lubbock, TX 79409-1075

Dear Dr. Eighmy:

EPA would like to request your help in making the Science and Technology Achievement Awards (STAA) program an even more effective way to acknowledge the excellence of EPA science.

For many years, government agencies, academics, the public and the broader scientific community have recognized EPA for its outstanding environmental research. We believe that by identifying and recognizing EPA's science achievements, we can attract, keep, and motivate our scientific workforce and ensure that we emphasize scientific quality and relevance. The STAA program is an important component of EPA's efforts to achieve its science goals and reward our scientists for their work. In recent years, it has become apparent that research reports are some of the most important science documents produced by Agency scientists and, at this point, these reports are ineligible for consideration in the STAA competition. We know that research reports play a significant role in moving our science efforts forward. For this reason EPA feels that research reports should be eligible for the 2001 STAA competition.

Because including research reports in the STAA competition is a new idea, we want to make this part of a one year pilot program. Continuing beyond 2010, will be largely based on the findings and results of the 2010 effort. As part of the pilot, EPA will include a disclaimer that reserves our right to discontinue or modify the program, primarily to ensure that any modifications deemed essential to the pilot's success can be introduced at any time. To continue to ensure that no materials submitted are resubmissions, research reports are ineligible for STAA nomination if a portion of the report has been separately published and submitted to a prior STAA competition. Alternatively, no publication that has derived from a STAA nominated research report may be submitted to a future STAA competition. Furthermore, nominated publications in this research category must undergo both internal and external-to-EPA peer reviews.

Other aspects of the STAA program, such as the evaluation criteria, will not significantly change. No additional or targeted funds will be made available to fund research report awards. We greatly appreciate the efforts of the SAB in helping EPA with this important effort and we

look forward to hearing your thoughts on the effectiveness of this pilot effort. Thank you again for your help in improving the excellence of the STAA program.

Sincerely Yours,

/signed/

William H. Sanders, III, Dr. P.H.
Director

cc: Vanessa Vu
Sherry Sterling
Thomas O'Farrell

Appendix A - Nominations Recommended for Awards

Nominations Recommended for a Level I Award -- Total of 5		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10CS008	A Bayesian method for calculating real-time quantitative PCR calibration curves using absolute plasmid DNA standards	Dr. Sivaganesan, Mano (35%) Dr. Shanks, Orin C. (20%) Dr. Varma, Manju (15%) Mr. Siefiring, Shawn (15%) Dr. Haugland, Richard A. (15%)
Linked With		
S10M M0087	(1) Quantitative PCR for Detection and Enumeration of Genetic Markers of Bovine Fecal Pollution (2) Quantitative PCR for Genetic Markers of Human Fecal Pollution	Dr. Shanks, Orin C. (35%) Mrs. Kelty, Catherine A. (15%) Dr. Haugland, Richard A. (15%) Dr. Varma, Manju (8%) Mrs. Siefiring, Shawn (7%) Dr. Domingo, Jorge Santo (1%) Dr. Sivaganesan, Mano) Dr. Lu, Jingrang (1% Non-EPA) Dr. Noble, Rachel T. (1% Non-EPA) Ms. Blackwood, A. Denene (1% Non-EPA) Ms. Atikovic, Emina (1% Non-EPA) NRMRL
S10ER 0033	(1) Geographic, anthropogenic, and habitat influences on Great Lakes coastal wetland fish assemblages (2) Patterns in habitat and fish assemblages within Great Lakes coastal wetlands and implications for sampling design	Dr. Trebitz, Anett S. (50%) Dr. Brazner, John C. (15%) Mr. Pearson, Mark S. (5%) Mr. Tanner, Danny K. (5%) Mr. Peterson, Gregory S. (5%) Ms. Taylor, Debra L. (5%) Mr. West, Corlis W. (5%) Dr. Danz, Nicholas P. (5% Non-EPA) Mr. Hollenhorst, Tom (5% Non-EPA) NHEERL
<p><i>*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.</i></p>		

Nominations Recommended for a Level I Award -- Total of 5		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10OR 0091	(1) Terminology of developmental abnormalities in common laboratory mammals (Version 2)(Published in <i>Birth Defects Research</i>) (2) Terminology of developmental abnormalities in common laboratory mammals (Version 2) (Published in <i>Reproductive Toxicology</i>) (3) Terminology of developmental abnormalities in common laboratory mammals (Version 2) (Published in <i>Congenital Anomalies</i>)	Makris, Susan (52%) Dr. Solomon, Howard (5% Non-EPA) Dr. Clark, Ruth (5% Non-EPA) Dr. Shiota, Kohei (5% Non-EPA) Dr. Barbellion, Stephane (3% Non-EPA) Dr. Wise, L. David (3% Non-EPA) Dr. Ema, Makoto (3% Non-EPA) Dr. Fujiwara, Michio (3% Non-EPA) Dr. Grote, Konstanze (3% Non-EPA) Dr. Hazelden, Keith P. (3% Non-EPA) Dr. Hew, Kok-Wah (3% Non-EPA) Dr. Horimoto, Masao (3% Non-EPA) Dr. Ooshima, Yojiri (3% Non-EPA) Dr. Parkinson, Meg (3% Non-EPA) Dr. Buschmann, Jochen (3% Non-EPA) NCEA
S10OR 0093	(1) A meta-analysis of children's hand-to-mouth frequency data for estimating nondietary ingestion exposure (Published in <i>Risk Analysis</i>) (2) A meta-analysis of children's object-to-mouth frequency data for estimating non-dietary ingestion exposure (Published in <i>Journal of Exposure Science and Environmental Epidemiology</i>)	Dr. Xue, Jianping (30%) Dr. Zartarian, Valerie (25%) Ms. Moya, Jacqueline (10%) Dr. Tulve, Nicolle (10%) Ms. Freeman, Natalie (5% Non-EPA) Ms. Beamer, Paloma (5% Non-EPA) Ms. Black, Kathy (5% Non-EPA) Ms. AuYeung, Willa (5% Non-EPA) Mr. Shalat, Stuart (5% Non-EPA) NERL
S10TF0 133	(1) Estimates of the contributions of biogenic and anthropogenic hydrocarbons to secondary organic aerosol at a southeastern US location (2) B-Caryophyllinic acid: An atmospheric tracer for B-caryophyllene secondary organic aerosol (3) Composition of PM2.5 during the summer of 2003 in Research Triangle Park, North Carolina	Dr. Edney, Edward O. (30%) Dr. Kleindienst, Tadeusz E. (14%) Dr. Lewandowski, Michael (14%) Dr. Offenber, John H. (14%) Dr. Jaoui, Mohammed (14% Non-EPA) Dr. Bhave, Prakash V. (14% Non-EPA) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level II Award -- Total of 14

Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10ER 0014	Mucus: a new tissue fraction for rapid determination of fish diet switching using stable isotope analysis	Dr. Church, Marshall Robbins (50%) Dr. Ebersole, Joe (20%) Mr. Rensmeyer, Kirk M. (10% Non-EPA) Mr. Couture, Ryan B. (10% Non-EPA) Dr. Barrows, Frederc T. (5% Non-EPA) Dr. Noakes, David L.G. (5% Non-EPA) NHEERL
S10ER 0016	(1) Physical indicators of hydrologic permanence in forested headwater streams (2) Larval salamanders and channel geomorphology are indicators of hydrologic permanence in forested headwater streams (3) Can bryophytes be used to characterize hydrologic permanence in forested headwater streams	Dr. Fritz, Ken M. (40%) Dr. Johnson, Brent R. (30%) Dr. Walters, David M. (10%) Ms. Blocksom, Karen A. (10%) Dr. Greenwood, Jennifer L. (2%) Dr. Glime, Janice M. (5% Non-EPA) Mr. Hribljan, John (3% Non-EPA) NERL
S10HE 0041	(1) Exposure to Concentrated Coarse Air Pollution Particles Causes Mild Cardiopulmonary Effects in Healthy Young Adults (2) Concentrated Ambient Ultrafine Particle Exposure Induces Cardiac changes in Young Healthy Volunteers	Dr. Graff, Don (26%) Dr. Devlin, Robert (19%) Dr. Samet, James (18%) Dr. Rappold, Ana (14%) Dr. Huang, Yuh-Chin (4%) Ms. Bassett, MaryAnn (2%) Ms. Montilla, Tracey (2%) Dr. Cascio, Wayne (5% Non-EPA) Dr. Zhou, Haibo (4% Non-EPA) Dr. Bromberg, Philip (2% Non-EPA) Mr. Berntsen, Jon (2% Non-EPA) Dr. Hazucha, Milan (1% Non-EPA) Ms. Herbst, Margaret (1% Non-EPA) NHEERL
S10HE 0044	Differential Potentiation of Allergic Lung Disease in Mice Exposed to Chemically Distinct Diesel Samples	Dr. Stevens, Tina (45%) Dr. Gilmour, M. Ian (35%) Dr. Linak, William P. (15%) Dr. Cho, Seung-Hyun (5% Non-EPA) NHEERL

**Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.*

Nominations Recommended for a Level II Award -- Total of 14		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0054	(1) Profiling Chemicals Based on Chronic Toxicity Results from the U.S. EPA ToxRef Database (2) Profiling the Reproductive Toxicity of Chemicals from Multigeneration Studies in the Toxicity Reference Database (3) Profiling the activity of environmental chemicals in prenatal developmental toxicity studies using the U.S. EPA's ToxRefDB	Mr. Martin, Matthew T. (25%) Dr. Dix, David J. (15%) Dr. Knudsen, Thomas B. (15%) Dr. Judson, Richard S. (10%) Dr. Kavlock, Robert J. (10%) Dr. Reif, David M. (5%) Dr. Mendez, Elizabeth (5%) Mr. Corum, Daniel (5% Non-EPA) Mr. Rotroff, Daniel (5% Non-EPA) Mr. Singh, Amar V. (5% Non-EPA) NCCT
S10HE 0062	(1) Systemic translocation of ⁷⁰ Zinc: Kinetics following intratracheal instillation in rats (2) Systemic Translocation of Particulate Matter-Associated Metals Following a Single Intratracheal Instillation in Rats	Dr. Kodavanti, Urmila P. (30%) Mr. McGee, John K. (15%) Mr. Kovalcik, Kasey D. (10%) Mr. Ledbetter, Allen D. (5%) Ms. Schladweiler, Mette C. (5%) Dr. Landis, Matthew (5%) Dr. Wallenborn, J. Grace (30% Non-EPA) NHEERL
S10IRO 076	(1) Use of habitat-contamination spatial correlation to determine when to perform a spatially explicit ecological risk assessment (2) SADA: Ecological Risk Based Decision Support System for Selective Remediation	Dr. Purucker, Steven Thomas (65%) Dr. Welsh, Christopher J.E. (15% Non-EPA) Mr. Stewart, Robert N. (15% Non-EPA) Dr. Starzec, Peter (5% Non-EPA) (Deceased) NERL
S10IRO 077	(1) Global transcriptomic response of Pseudomonas aeruginosa to chlorhexidine diacetate (2) Toxicogenomic response of Pseudomonas aeruginosa to ortho-phenylphenol (3) Microarray analysis of Mycobacterium bovis BCG revealed induction of iron acquisition related genes in response to hydrogen peroxide	Dr. Toghrol, Freshteh (50%) Dr. Nde, Chantal (20% Non-EPA) Dr. Jang, Hyeung-Jin (20% Non-EPA) Dr. Bentley, William E. (10% Non-EPA) OCSP
S10M M0082	The Development and Inter-laboratory Verification of LC-MS Libraries for Organic Chemicals of Environmental Concern	Ms. Rosal, Charlita (37%) Dr. Zintek, Lawrence (32%) Dr. Betowski, Leon D. (20%) Mr. Wesolowski, Dennis (3%) Mr. Neukom, Joshua (5% Non-EPA) Mr. Romano, Joseph (3% Non-EPA) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level II Award -- Total of 14		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10RA 0103	An Evaluation of the Mode of Action Framework for Mutagenic Carcinogens Case Study II: Chromium Cr(VI)	Ms. McCarroll, Nancy (50%) Dr. Keshava, Nagalakshmi (31%) Dr. Chen, Jonathan (6%) Dr. Akerman, Gregory (6%) Dr. Kilgerman, Andrew (6%) Dr. Rinde, Esther (6%) OPP
S10RA 0104	Continuous and Semicontinuous Monitoring Techniques for Particulate Matter Mass and Chemical Components: A Synthesis of Findings from EPA's Particulate Matter Supersites Program and Related Studies	Dr. Solomon, Paul A. (90%) Dr. Sioutas, Constantinos (10% Non-EPA) NERL
S10TF0 122	Examination of Arsenic Speciation in Sulfidic Solutions Using X-ray Absorption Spectroscopy	Dr. Beak, Douglas G. (45%) Dr. Wilkin, Richard T. (35%) Dr. Ford, Robert G. (15%) Dr. Kelly, Shelly D. (5% Non-EPA) NRMRL
S10TF0 125	Application of Ecosystem-Scale Fate and Bioaccumulation Models to Predict Fish Mercury Response Times to Changes in Atmospheric Deposition	Dr. Knightes, Christopher D. (40%) Dr. Sunderland, Elynor M. (30%) Dr. Barber, M. Craig (10%) Dr. Johnston, John M. (10%) Mr. Ambrose, Jr., Robert B. (10%) NERL
Linked With S10TF0 134	(1) Development and test application of a screening - level mercury fate model and tool for evaluating wildlife exposure risk for surface waters with mercury-contaminated sediments (SERAFM) (2) Evaluating Regional Predictive Capacity of a Process-Based Mercury Exposure Model, Regional - Mercury Cycling Model, Applied to 91 Vermont and New Hampshire Lakes and Ponds, USA	Dr. Knightes, Christopher D. (90%) Mr. Ambrose, Jr., Robert B. (10%) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level II Award -- Total of 14		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10TF0 132	(1) Modeling the impacts of traffic emissions on air toxics concentrations near roadways (2) Analysis of air quality data near roadways using a dispersion model (3) A wind tunnel study of the effect of roadway configurations on the dispersion of traffic-related pollution	Dr. Isakov, Vlad (20%) Dr. Baldauf, Richard (15%) Dr. Heist, David (15%) Dr. Perry, Steven (15%) Dr. Thoma, Eben (5%) Dr. Venkatram, Akula (20% Non-EPA) Dr. Seila, Robert (5% Non-EPA) Dr. Brixey, Laurie (5% Non-EPA) OAR
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10CS005	(1) Demonstration of Advanced Emission Controls for Nonroad SI Class II Engines (2) New Exhaust Catalyst Emission Control Systems for Nonroad SI Class I Engines	Mr. McDonald, Joseph F. (42%) Mr. Olson, Brian A. (42%) Mr. Murawski, Marc (16% Non-EPA) OTAQ
S10EE010	Hydrophobic zeolite-silicone rubber mixed matrix membranes for ethanol-water separation: Effect of zeolite and silicone component selection on pervaporation performance	Dr. Vane, Leland M. (48%) Dr. Namboodiri, Vasudevan V. (32%) Dr. Bowen, Travis C. (20%) NRMRL
Linked With		
S10RA0107	Separation technologies for the recovery and dehydration of alcohols from fermentation broths	Dr. Vane, Leland M. (100%) NRMRL
S10EP011	Technical challenges involved in Implementation of VOC reactivity-based control of ozone	Ms. Luecken, Deborah (75%) Dr. Mebust, Michelle (25% Non-EPA) NERL
S10ER0012	(1) Multispatial-scale variation in benthic and snag-surface macroinvertebrate assemblages in mid-continent US great rivers (2) Multimetric macroinvertebrate indices for mid-continent US great rivers	Dr. Angradi, Theodore (Ted) R. (50%) Dr. Bolgrien, David W. (10%) Ms. Jicha, Terri M. (10%) Mr. Pearson, Mark S. (10%) Ms. Taylor, Debra L. (10%) Dr. Hill, Brian H. (10%) NHEERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42

Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10ER 0013	Endocrine disrupting chemicals in fish: developing exposure indicators and predictive models of effects based on mechanism of action	Dr. Ankley, Gerald (15%) Dr. Bencic, David (5%) Dr. Breen, Michael (5%) Dr. Collette, Timothy (5%) Dr. Conolly, Rory (5%) Dr. Edwards, Stephen (5%) Dr. Ekman, Drew (5%) Ms. Jensen, Kathleen (5%) Dr. Lazorchak, James (5%) Dr. Miller, David (5%) Dr. Villeneuve, Daniel (5%) Dr. Wang, Rong-Lin (5%) Dr. Denslow, Nancy (5% Non-EPA) Dr. Garcia-Reyero, Natalia (5% Non-EPA) Dr. Martinovic, Dalma (5% Non-EPA) Dr. Perkins, Edward (5% Non-EPA) Dr. Orlando, Edward (5% Non-EPA) Dr. Watanabe, Karen (5% Non-EPA) NHEERL
Linked With S10ER 0034	(1) Direct effects, compensation, and recovery in female fathead minnows exposed to a model aromatase inhibitor (2) Dynamic nature of alterations in the endocrine system of fathead minnows exposed to the fungicide prochloraz	Dr. Villeneuve, Daniel (30%) Dr. Ankley, Gerald (30%) Ms. Jensen, Kathleen (5%) Mr. Kahl, Michael D. (5%) Ms. Makynen, Elizabeth A. (5%) Dr. Bencic, David (5%) Ms. Durhan, Elizabeth J. (3%) Ms. Cavallin, Jenna E. (5% Non-EPA) Dr. Martinovic, Dalma (5% Non-EPA) Mr. Mueller, Nathaniel D. (5% Non-EPA) Ms. Wehmas, Leah C. (2% Non-EPA) NHEERL
S10ER 0018 Linked With	Multiple regression models for hindcasting and forecasting midsummer hypoxia in the Gulf of Mexico	Dr. Greene, Richard M. (50%) Dr. Lehrter, John C. (25%) Dr. Hagy, III, James D. (25%) NHEERL
S10ER 0025	Interactions between freshwater input, light, and phytoplankton dynamics on the Louisiana continental shelf	Dr. Lehrter, John C. (50%) Dr. Murrell, Michael C. (25%) Dr. Kurtz, Janis C. (25%) NHEERL

**Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.*

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10ER 0023	Cumulative effects of coastal habitat alterations on fishery resources: toward prediction at regional scales	Dr. Jordan, Stephen J. (50%) Ms. Smith, Lisa M. (30%) Dr. Nestlerode, Janet A. (20%) NHEERL
S10ER 0024	(1) Mechanistic Approach to Understanding the Toxicity of the Azole Fungicide Triadimefon to a Nontarget Aquatic Insect and Implications for Exposure Assessment (2) Integration of Metabolomics and In vitro Metabolism Assays for Investigating the Steroselective Transformation of Triadimefon in Rainbow Trout	Dr. Kenneke, John F. (28%) Mr. Mazur, Christopher S. (23%) Dr. Garrison, A. Wayne (10%) Dr. Ekman, Drew R. (10%) Dr. Overmyer, Jay P. (7% Non-EPA) Ms. Kellock, Kristen A. (7% Non-EPA) Mr. Konwick, Brad (7% Non-EPA) Mr. Avants, Jimmy K. (5% Non-EPA) Dr. Fisk, Aaron (3% Non-EPA) NERL
S10ER 0030	Downstream effects of mountaintop coal mining: comparing biological condition using family- and genus-level macroinvertebrate bioassessment tools	Mr. Pond, Gregory J. (30%) Ms. Passmore, Margaret E. (30%) Dr. Borsuk, Frank A. (15%) Mr. Reynolds, Lou (15%) Ms. Rose, Carole J. (10%) Region 3
S10HE 0035	Hazard to the developing male reproductive system from cumulative exposure to phthalate esters-dibutyl phthalate, diisobutyl phthalate, butylbenzyl phthalate, diethylhexyl phthalate, dipentyl phthalate, and diisononyl phthalate	Dr. Benson, Robert W. (100%) Region 8
S10HE 0036	(1) Development and use of PBPK modeling and the Impact of metabolism on variability in dose metrics for the risk assessment of methyl tertiary butyl ether (MTBE) (2) Evaluation of Evidence for infection as a Mode of Action for induction of Rat Lymphoma	Dr. Caldwell, Jane C. (51%) Dr. Blancato, Jerry N. (15%) Dr. Evans, Marina V. (15%) Ms. Jinot, Jennifer (7%) Dr. Gift, Jeff S. (5%) Dr. DeVoney, Danielle (5%) Dr. Powers, Fred W. (2%) (Deceased) NCEA
S10HE 0037	(1) Characterizing uncertainty and population variability in the toxicokinetics of trichloroethylene and metabolites in mice, rats, and humans using an updated database, physiologically based pharmacokinetic (PBPK) model, and Bayesian approach (2) Development of an updated PBPK model for trichloroethylene and metabolites in mice, and its application to discern the role of oxidative metabolism in TCE-induced hepatomegaly	Dr. Chiu, Weihsueh A. (49%) Dr. Evans, Marina V. (28%) Dr. Caldwell, Jane C. (15%) Dr. Okino, Miles S. (8%) NCEA
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0042	(1) Fine Oil Combustion Particle Bioavailable Constituents Induce Molecular Profiles of Oxidative Stress, Altered Function and Cellular Injury in Cardiomyocytes (2) Fine Ambient Air Particulate Matter Exposure Induces Molecular Alterations Associated With Vascular Disease Progression Within Plaques of Atherosclerotic Susceptible Mice	Dr. Dreher, Kevin L. (30%) Dr. Floyd, Heather S. (25%) Ms. Vallanat, Beena (10%) Dr. Knuckles, Travis (25% Non-EPA) Dr. Chen, Lung-Chi (10% Non-EPA) NHEERL
S10HE 0043	Protein carbonyl formation in response to propiconazole-induced oxidative stress	Dr. Ge, Yue (45%) Ms. Bruno, Maribel (35%) Dr. Nesnow, Stephen (15%) Ms. Moore, Tanya (5%) NHEERL
S10HE 0046	A Reexamination of the PPAR- α Activation Mode of Action as a Basis for Assessing Human Cancer Risks of Environmental Contaminants	Dr. Guyton, Kathryn Z. (40%) Dr. Chiu, Weihsueh A. (12%) Ms. Jinot, Jennifer (12%) Dr. Bateson, Thomas F. (8%) Dr. Caldwell, Jane C. (12%) Ms. Scott, Cheryl Siegel (9%) Ms. Brown, Rebecca C. (7% Non-EPA) NCEA
S10HE 0048	(1) Concentrations of Phthalate Metabolites in Milk, Urine, Saliva, and Serum of Lactating North Carolina Women (2) Polyfluoroalkyl Chemicals in the Serum and Milk of Breastfeeding Women (3) Assays for Endogenous Components of Human Milk: Comparison of Fresh and Frozen Samples and Corresponding Analytes in Serum	Dr. Hines, Erin (40%) Dr. Fenton, Suzanne (39%) Dr. Mendola, Pauline (10%) Ms. Schmid, Judy (1%) Mr. Barbee, Randy (1%) Dr. Calafat, Antonia (1% Non-EPA) Dr. Kato, Kayoko (1% Non-EPA) Dr. Kuklenyik, K. (1% Non-EPA) Ms. Moreland, Rae Ann (1% Non-EPA) Dr. Rayner, Jennifer (1% Non-EPA) Dr. Reidy, Jack (1% Non-EPA) Dr. Silva, Manori J. (1% Non-EPA) Dr. Valcour, Andre (1% Non-EPA) Dr. Ehrenstein, Ondine von (1% Non-EPA) NCEA
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0050	(1) Modeling Single and Repeated Dose Pharmacokinetics of PFOA in Mice (2) Pharmacokinetic modeling of perfluorooctanoic acid during gestation and lactation in the mouse (3) Comparing models for perfluorooctanoic acid pharmacokinetics using Bayesian analysis	Dr. Rodriguez, Chester E. (25%) Dr. Wambaugh, John F. (25%) Dr. Barton, Hugh A. (10%) Dr. Setzer, R. Woodrow (10%) Dr. Lau, Christopher S. (5%) Dr. Lindstrom, Andrew B. (5%) Dr. Zehr, R. Dan (5%) Dr. Strynar, Mark J. (5%) Dr. Lou, Inchio (5% Non-EPA) Dr. Hanson, Roger G. (5% Non-EPA) NCCT
S10HE 0055	Disruption of microRNA expression in human airway epithelial cells by diesel exhaust particles is linked to tumorigenesis-associated pathways	Dr. Jardim, Melanie (32.5%) Dr. Diaz-Sanchez, David (32.5%) Ms. Dailey, Lisa (15%) Dr. Fry, Rebecca (15% Non-EPA) Dr. Jaspers, Ilona (5% Non-EPA) NHEERL
S10HE 0056	Sampling household surfaces for pesticide residues: Comparison between a Press Sampler and solvent-moistened wipes	Dr. Melnyk, Lisa Jo (50%) Dr. Bernard, Craig E. (35%) Mr. Wymer, Larry J. (10%) Dr. Berry, Maurice R. (5%) NERL
S10HE 0061	(1) ACToR - Aggregated Computational Toxicology Resource (2) The Toxicity Data Landscape for Environmental Chemicals (3) ACToR Online	Dr. Judson, Richard S. (12%) Mr. Martin, Matthew T. (8%) Dr. Richard, Ann M. (5%) Dr. Dix, David J. (3%) Dr. Houck, Keith A. (3%) Dr. Dellarco, Vicki (3%) Dr. Sayre, Philip G. (3%) Dr. Tan, Shirlee (3%) Dr. Smith, Edwin (3%) Dr. Holderman, Todd S. (3%) Dr. Carpenter, Thomas (3%) Dr. Henry, Tala (3%) Dr. Kavlock, Robert J. (1%) Mr. Cathey, Tommy (9% Non-EPA) Dr. Transue, Thomas R. (8% Non-EPA) Dr. Wolf, Maritja (8% Non-EPA) Dr. Vail, James (8% Non-EPA) Ms. Smith, Doris (8% Non-EPA) Mr. Spencer, Richard M. (3% Non-EPA) Dr. Elloumi, Fathi (3% Non-EPA) NCCT
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0065	High Sensitivity of Children to Swimming-Associated Gastrointestinal Illness: Results Using a Rapid Assay of Recreational Water Quality	Mr. Wade, Timothy J. (22%) Ms. Calderon, Rebecca L. (12%) (Deceased) Ms. Brenner, Kristin P. (12%) Ms. Sams, Elizabeth (12%) Mr. Dufour, Alfred P. (12%) Mr. Haugland, Rich (10%) Mr. Wymer, Larry (10%) Dr. Beach, Michael (10% Non-EPA) NERL
S10HE 0140	One-Month Diesel Exhaust Inhalation Produces Hypertensive Gene Expression Pattern in Healthy Rats	Dr. Kodavanti, Urmila P. (25%) Ms. Schladweiler, Mette C. (18%) Mr. Ledbetter, Allen D. (6%) Mr. Krantz, Todd (6%) Ms. Richards, Judy E. (3%) Dr. Linak, William P. (2%) Mr. Jaskot, Richard H. (2%) Dr. Gottipolu, Reddy R. (13% Non-EPA) Dr. Karoly, Edward D. (8% Non-EPA) Dr. Nyska, Abraham (5% Non-EPA) Ms. Johnson, Jo Anne (5% Non-EPA) Dr. Wallenborn, J. Grace (4% Non-EPA) Dr. Thomas, Ronald (3% Non-EPA) NHEERL
S10IRO 073	Contrasting Influence of NADPH and a NADPH-Regenerating System on the Metabolism of Carbonyl-Containing Compounds in Hepatic Microsomes	Mr. Mazur, Christopher S. (40%) Dr. Kenneke, John F. (35%) Dr. Goldsmith, Michael-Rock (20%) Ms. Brown, Cather (5% Non-EPA) NERL
S10M M0079	Development and evaluation of a generic tag array to detect and genotype noroviruses in water	Ms. Brinkman, Nichole (90%) Dr. Fout, G. Shay (10%) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10M M0080	(1) Profiling Lipid Metabolites Yields Unique Information on Sex- and Time-dependent Responses of Fathead Minnows (<i>Pimephales promelas</i>) Exposed to 17 α -Ethinylestradiol (2) A Direct Cell Quenching Method for Cell-Culture Based Metabolomics (3) Spectral Relative Standard Deviation: A Practical Benchmark in Metabolomics	Dr. Ekman, Drew R. (16%) Dr. Teng, Quincy (16%) Dr. Collette, Timothy W. (15%) Dr. Ankley, Gerald T. (4%) Dr. Villeneuve, Daniel L. (4%) Dr. Jensen, Kathleen M. (3%) Dr. Kahl, Michael D. (3%) Dr. Durhan, Elizabeth J. (3%) Dr. Parsons, Helen M. (12% Non-EPA) Dr. Viant, Mark R. (12% Non-EPA) Dr. Huang, Wenlin (7% Non-EPA) Dr. Tan, Chalet (5% Non-EPA) NERL
S10M M0083	(1) Phylogenetic diversity and molecular detection of bacteria in gull feces (2) Microbial Diversity and Host-Specific Sequences of Canada Goose Feces	Dr. Santo Domingo, Jorge W. (55%) Dr. Lu, Jingrang (35% Non-EPA) Dr. Edge, Thomas (4% Non-EPA) Mr. Hill, Stephen (4% Non-EPA) Dr. Lamendella, Regina (2% Non-EPA) NRMRL
S10M M0084	Streambed Gravel Collection and Frequency Base Conversion: a Solution to Data set Sharing	Dr. Shirazi, Mostafa (70%) Dr. Kaufmann, Philip R. (10%) Dr. Faustini, John M. (20% Non-EPA) NHEERL
S10RA 0095	Biologically-Relevant Exposure Science for 21st Century Toxicity Testing	Dr. Cohen Hubal, Elaine A. (100%) NCCT
S10RA 0096	Role of PPAR alpha in mediating the effects of trichloroethylene and metabolites	Dr. Corton, Chris (100%) NHEERL
S10RA 0099	Developments in direct thermal extraction gas chromatography-mass spectrometry of fine aerosols	Dr. Hays, Michael D. (75%) Dr. Lavrich, Richard J. (25%) NRMRL
S10RA 0100	Nanotechnology and in Situ Remediation: A Review of the Benefits and Potential Risks	Dr. Karn, Barbara (33%) Ms. Otto, Martha (33%) Dr. Kuiken, Todd (34% Non-EPA) NCER
S10RA 0105	The endocrine effects of mercury in humans and wildlife	Dr. Tan, Shirlee (50%) Dr. Meiller, Jesse (40%) Dr. Mahaffey, Kathryn (10%) (Deceased) OPPTS
<i>*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.</i>		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10RM 0108	(1) Adsorption and simultaneous dechlorination of PCBs by GAC impregnated with ZVI/Pd bimetallic particles: Mechanistic aspects and reactive capping barrier concept (2) Effects of ageing and oxidation of palladized iron embedded in activated carbon on the dechlorination of 2-chlorobiphenyl (3) Catalytic role of palladium and relative reactivity of substituted chlorines during adsorption and treatment of PCBs on reactive activated carbon	Dr. Al-Abed, Souhail (50%) Dr. Choi, Hyeok (40% Non-EPA) Dr. Agarwal, Shirish (10% Non-EPA) NRMRL
S10RM 0110	Speciation, Characterization, and Mobility of As, Se, and Hg in Flue Gas Desulphurization Residues	Dr. Al-Abed, Souhail (40%) Dr. Scheckel, Kirk (20%) Dr. Tolaymat, Thabet (10%) Dr. Jegadeesan, Gautham (30% Non-EPA) NRMRL
S10RM 0112	The Watershed Deposition Tool: A tool for incorporating atmospheric deposition in water-quality analyses	Ms. Schwede, Donna (60%) Dr. Dennis, Robin (35%) Ms. Bitz, Mary Ann (5% Non-EPA) NERL
S10TF0 123	(1) Formation of Aqueous Suspensions of Fullerenes (2) Colloidal Properties of Aqueous Fullerenes: Isoelectric Points and Aggregation Kinetics of C60 and C60 Derivatives	Dr. Bouchard, Dermont (49%) Dr. Ma, Xin (49%) Dr. Isaacson, Carl (2% Non-EPA) NERL
S10TF0 124	(1) The North American Mercury Model Intercomparison Study (NAMMIS): Study description and model-to-model comparisons (2) An Analysis of Simulated Wet Deposition of Mercury from the North American Mercury Model Intercomparison Study (NAMMIS)	Mr. Bullock, Jr., O. Russell (30%) Dr. Atkinson, R. Dwight (12%) Mr. Braverman, Thomas N. (8%) Dr. Civerolo, Kevin (12% Non-EPA) Dr. Dastoor, Ashu (4% Non-EPA) Dr. Davignon, Didier (4% Non-EPA) Ms. Lohman, Kristen (4% Non-EPA) Dr. Myers, Thomas C. (4% Non-EPA) Dr. Selin, Noelle E. (4% Non-EPA) Dr. Park, Rokjin J. (4% Non-EPA) Dr. Seigneur, Christian (4% Non-EPA) Mr. Vijayaraghavan, Krish (4% Non-EPA) Dr. Ku, Jia-Yeong (3% Non-EPA) Dr. Sistla, Gopal (3% Non-EPA) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for a Level III Award -- Total of 42		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10TF0 127	(1) Analysis of Fluorotelomer Alcohols Soils: Optimization of Extraction and Chromatography (2) Analysis of Perfluorinated Chemicals in Sludge: Method Development and Initial Results	Dr. Washington, John W. (48%) Dr. Ellington, J. Jackson (26%) Mr. Neill, Michael P. (3%) Dr. Libelo, E. Laurence (3%) Dr. Yoo, Hoon (15% Non-EPA) Dr. Jenkins, Thomas M. (3% Non-EPA) Dr. Evans, John J. (1% Non-EPA) (Deceased) Ms. Hafner, Sarah C. (1% Non-EPA) NERL
Linked With		
S10TF0 137	(1) Degradability of an Acrylate-Linked Fluorotelomer Polymer in Soil (2) Response to Comments on "Degradability of an Acrylate-Linked Fluorotelomer Polymer in Soil	Dr. Washington, John W. (70%) Dr. Ellington, J. Jackson (23%) Dr. Jenkins, Thomas M. (2% Non-EPA) Dr. Evans, John J. (2% Non-EPA) Ms. Hafner, Sarah C. (2% Non-EPA) Dr. Yoo, Hoon (1% Non-EPA) NERL
S10TF0 129	Carbonaceous aerosol over a Pinus taeda forest in Central North Carolina, USA	Mr. Geron, Chris (100%) NRMRL
S10TF0 130	Characterization and aerosol mass balance of PM2.5 and PM10 collected in Conakry, Guinea during the 2004 Harmattan period	Mr. Hedges, Scott R. (51%) Mr. Weinstein, Jason P. (40%) Ms. Kimbrough, Sue (9%) OAR
S10TF0 135	Estimating the Impact of the 2004 Alaskan Forest Fires on episodic Particulate Matter Pollution over the Eastern United States through Assimilation of Satellite-Derived Aerosol Optical Depths in a Regional Air Quality Model	Dr. Mathur, Rohit (100%) NERL
S10TF0 138	Light-Initiated Transformations of Fullerenol in Aqueous Media	Dr. Zepp, Richard G. (50%) Dr. Kong, Lingjun (30% Non-EPA) Mr. Tedrow, O'Niell (10% Non-EPA) Mr. Chan, Yau Fong(Kyle) (10% Non-EPA) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10CS0002	(1) Fenton-driven regeneration of MTBE-spent granular activated carbon-Effects of particle size and iron amendment procedures (2) Effects of temperature and acidic pre-treatment on Fenton-driven oxidation of MTBE-spent granular activated carbon	Dr. Huling, Scott G. (70%) Dr. Kan, Eunsung (25% Non-EPA) Mr. Wingo, Caleb (5% Non-EPA) NRMRL
S10CS0004	Assessment of PCDD/F and PBDD/F emissions from coal-fired power plants during injection of brominated activated carbon for mercury control	Dr. Hutson, Nick D. (34%) Dr. Ryan, Shawn P. (33%) Dr. Touati, Abderrahmane (33% Non-EPA) NRMRL
S10CS0007	Estimating chloramine Ct for the synergistic inactivation of Cryptosporidium with ozone followed by chloramine	Dr. Sivaganesan, Mano (100%) NRMRL
S10EE0009	Solid Fuel Household Cook Stoves: Characterization of Performance and Emissions	Mr. Jetter, James J. (60%) Mr. Kariher, Peter (40% Non-EPA) NRMRL
S10ER0015	(1) Modeling Stream Network-Scale Variation in Coho Salmon Overwinter Survival and Smolt Size (2) Hierarchical Modeling of Late-Summer Weight and Summer Abundance of Juvenile Coho Salmon across a Stream Network	Dr. Ebersole, Joseph L. (40%) Dr. Wigington, Jr., Parker J. (10%) Dr. Leibowitz, Scott G. (5%) Dr. Baker, Joan P. (5%) Dr. Church, M. Robbins (4%) Dr. Compton, Jana E. (4%) Mr. Cairns, Michael A. (2%) Mr. Colvin, Michael E. (25% Non-EPA) Mr. Miller, Bruce A. (2% Non-EPA) Mr. LaVigne, Henry R. (2% Non-EPA) Mr. Hansen, Bruce P. (1% Non-EPA) NHEERL
S10ER0017	Bias in population growth rate estimation: sparse data, partial life cycle analysis and Jensen's inequality	Dr. Gear, Jason S. (50%) Dr. Elderd, Bret (50% Non-EPA) NHEERL
S10ER0020	(1) Predicting Estuarine Sediment Metal Concentrations and Inferred Ecological Conditions: An Information Theoretic Approach (2) Effects of Spatial Extent on Landscape Structure and Sediment Metal Concentration Relationships in Small Estuarine Systems of the United States Mid-Atlantic Coast	Dr. Hollister, Jeff W. (75%) Dr. Paul, John F. (10%) Dr. Walker, Henry A. (5%) Dr. August, Peter V. (10% Non-EPA) NHEERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10ER 0027	Effects of irradiance on benthic and water column processes in a Gulf of Mexico estuary: Pensacola Bay, Florida, USA	Dr. Murrell, Michael C. (50%) Mr. Campbell, Jed D. (20%) Dr. Hagy, III, James D. (20%) Dr. Caffrey, Jane M. (10% Non-EPA) NHEERL
S10ER 0029	Elevated CO2 and O3 effects on fine-root survivorship in ponderosa pine mesocosms	Dr. Phillips, Donald L. (55%) Dr. Johnson, Mark G. (20%) Dr. Tingey, David T. (20%) Ms. Storm, Marjorie J. (5% Non-EPA) NHEERL
S10ER 0032	Water Quality in the Near Coastal Waters of the Gulf of Mexico Affected by Hurricane Katrina: Before and After the Storm	Ms. Smith, Lisa M. (40%) Mr. Macauley, John M. (25%) Ms. Harwell, Linda C. (25%) Ms. Chancy, Cynthia A. (10%) NHEERL
S10HE 0038	(1) Exploring the in vitro formation of trimethylarsine sulfide from dimethylthioarsinic acid in anaerobic microflora of mouse cecum using HPLC-ICP-MS and HPLC-ESI-MS (2) In Vitro biotransformation of dimethylarsinic acid and trimethylarsine oxide by anaerobic microflora of mouse cecum analyzed by HPLC-ICP-MS and HPLC-ESI-MS	Dr. Kubachka, Kevin M. (30%) Mr. Kohan, Michael J. (20%) Ms. Herbin-Davis, Karen M. (20%) Dr. Creed, John T. (15%) Dr. Thomas, David J. (10%) Dr. Conklin, Sean D. (5% Non-EPA) NERL
S10HE 0039	(1) The Effect of Ambient Air Pollution on Semen Quality (2) The Healthy Men Study: An Evaluation of Exposure to Disinfection By-Products in Tap Water and Sperm Quality (3) The Healthy Men Study: design and recruitment considerations for environmental epidemiology studies in male reproductive health	Dr. Darney, Sally Perreault (25%) Dr. Luben, Thomas (25%) Mr. Sacks, Jason D. (10%) Ms. Jeffay, Susan (10%) Ms. Strader, Lillian (10%) Dr. Buus, Rebecca M. (10%) Dr. Hansen, Craig (5% Non-EPA) Dr. Olshan, Andrew (5% Non-EPA) NCEA
S10HE 0045	Thermoregulation and its influence on toxicity assessment	Dr. Gordon, Christopher J. (50%) Dr. Spencer, Pamela (10% Non-EPA) Dr. Hotchkiss, Jon (10% Non-EPA) Dr. Miller, Diane B. (10% Non-EPA) Dr. Hinderliter, Paul (10% Non-EPA) Dr. Pauluhn, Juergen (10% Non-EPA) NHEERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0047	(1) Development of a Competitive Binding Assay System with Recombinant Estrogen Receptors from Multiple (2) Comparison of Chemical Binding to Recombinant Fathead minnow and Human Estrogen Receptors Alpha in Whole Cell and Cell-free Binding Assays (3) Competitive Binding Comparison of Endocrine Disrupting Compounds to Recombinant Androgen Receptor from Fathead Minnow, Rainbow Trout and Human	Dr. Wilson, Vickie S. (35%) Ms. Cardon, Mary C. (30%) Dr. Hartig, Phillip C. (20%) Dr. Gray, Jr., L. Earl (10%) Dr. Rider, Cynthia V. (5% Non-EPA) NHEERL
S10HE 0049	Application of Novel Method to Measure Endogenous VOCs in Exhaled Breath Condensate Before and After Exposure to Diesel Exhaust	Dr. Hubbard, Heidi F. (50%) Dr. Sobus, Jon S. (25%) Dr. Pleil, Joachim D. (10%) Dr. Madden, Michael C. (10%) Dr. Tabucchi, Sara (5% Non-EPA) NERL
Linked With		
S10HE 0060	Influence of systems biology response and environmental exposure level on between-subject variability in breath and blood biomarkers	Dr. Pleil, Joachim D. (100%) NERL
S10HE 0051	(1) Chlorotriazine Herbicides and Metabolites Activate an ACTH-dependent Release of Corticosterone in Male Wistar Rats (2) Characterization of the Hypothalamic-Pituitary-Adrenal Axis Response to Atrazine and Metabolites in the Female Rat	Dr. Laws, Susan (22%) Dr. Fraites, Melanie (17%) Ms. Jayaraman, Saro (15%) Ms. Hotchkiss, Michelle (10%) Dr. Cooper, Ralph L. (10%) Dr. Stoker, Tammy (5%) Dr. Mills, Lesley (5%) Ms. Ferrell, Janet (2%) Mr. Modic, Walker (2% Non-EPA) Dr. Tinfo, Nicole (2% Non-EPA) NHEERL
S10HE 0052	Relationships between Composition and Pulmonary Toxicity of Prototype Particles from Coal Combustion and Pyrolysis	Dr. Linak, William P. (20%) Dr. Gilmour, M. Ian (20%) Dr. Miller, C. Andrew (10%) Dr. Cho, Seung-Hyun (20% Non-EPA) Dr. Yoo, Jong-Ik (10% Non-EPA) Ms. Turley, Audrey T. (10% Non-EPA) Dr. Wendt, Jost O.L. (5% Non-EPA) Dr. Huggins, Frank E. (5% Non-EPA) NRMRL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HE 0053	Method development for liquid chromatographic/triple quadrupole mass spectrometric analysis of trace level perfluorocarboxylic acids in articles of commerce	Dr. Liu, Xiaoyu (40%) Dr. Guo, Zhishi (30%) Mr. Krebs, Ken (25%) Ms. Roache, Nancy (5% Non-EPA) NRMRL
S10HE 0057	(1) Developmental neurotoxicity testing in vitro: models for assessing chemical effects on neurite growth (2) Assessment of chemical effects on neurite outgrowth in PC12 cells using high content screening (3) Development of a high-throughput screening assay for chemical effects on proliferation and viability of immortalized human neural progenitor cells	Dr. Mundy, William R. (30%) Dr. Shafer, Timothy J. (30%) Dr. Radio, Nicholas M. (20%) Dr. Breier, Joseph M. (20% Non-EPA) NHEERL
S10HE 0058	Endothelial effects of emission source particles: acute toxic response gene expression profiles	Dr. Nadadur, Srikanth S. (50%) Dr. Mudipalli, Anuradha (20%) Ms. Haycal-Coates, Najwa (20%) Dr. Costa, Daniel L. (10%) NCEA
S10HE 0059	Discrimination of Tumorigenic Triazole Conazoles from Phenobarbital by Transcriptional Analyses of Mouse Liver Gene Expression	Dr. Nesnow, Stephen (40%) Dr. Hester, Susan D. (40%) Dr. Ward, William (10%) Ms. Moore, Tanya (5%) Dr. Ren, Hongzu (5% Non-EPA) NHEERL
S10HE 0064	(1) Comparison of chrysotile asbestos collection efficiencies on mixed cellulose ester-filters Efficiency of Sampling and Analysis of Asbestos Fibers on Filter Media: Implications for Exposure Assessment (2) Selecting appropriate measurement and analytical methods to characterize asbestos exposures	Dr. Vallero, Daniel Alan (55%) Mr. Kominsky, John R. (20% Non-EPA) Mr. Beard, Michael E. (15% Non-EPA) Mr. Crankshaw, Owen S. (10% Non-EPA) NERL
S10HE 0066	Influence of acid functionalization on the cardio-pulmonary toxicity of carbon nanotubes and carbon black particle in mice	Dr. Tong, Haiyan (40%) Dr. Gilmour, M. Ian (35%) Mr. McGee, John K. (10%) Dr. Kodavanti, Urmila P. (5%) Dr. Devlin, Robert B. (5%) Dr. Saxena, Rajiv K. (5% Non-EPA) NHEERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10HS 0069	(1) Chlorine Inactivation of Highly Pathogenic Avian Influenza Virus (H5N1) (2) The Use of Bacteriophages of the family Cystoviridae as surrogates for H5N1 Highly Pathogenic Avian Influenza Viruses in Persistence and Inactivation Studies	Dr. Rice, Eugene W. (37%) Ms. Adcock, Noreen J. (37%) Dr. Sivaganesan, Mano (11%) Dr. Brown, Justin D. (5% Non-EPA) Dr. Stallknecht, David E. (5% Non-EPA) Dr. Swayne, David E. (5% Non-EPA) NHSRC
S10IE0 071	An Examination of Existing Data for the Industrial Manufacture and Use of Nanocomponents and Their Role in the Life Cycle Impact of Nanoproducts	Dr. Meyer, David E. (50%) Dr. Gonzalez, Michael A. (25%) Dr. Curran, Mary Ann (25%) NRMRL
S10IRO 075	How Might Selenium Moderate the Toxic Effects of Mercury in Stream Fish of the Western U.S.	Dr. Peterson, Spencer A. (40%) Mr. Peck, David V. (20%) Dr. Sickle, John Van (10%) Dr. Ralston, Nicholas V.C. (15% Non-EPA) Dr. Robertson, J. David (5% Non-EPA) Ms. Spate, Vickie L. (5% Non-EPA) Dr. Morris, J. Steven (5% Non-EPA) NHEERL
S10M M0085	American Healthy Homes Survey: A National Study of Residential Pesticides Measured from Floor Wipes	Dr. Stout, Dan (29%) Dr. Egeghy, Peter (25%) Dr. Bradham, Karen (20%) Ms. Croghan, Carry (10%) Dr. Jones, Paul (10%) Dr. Ashley, Peter (1% Non-EPA) Dr. Friedman, Warren (1% Non-EPA) Mr. Pinzer, Eugene (1% Non-EPA) Dr. Cox, David (1% Non-EPA) Ms. Nishioka, Marcia (1% Non-EPA) Ms. Brinkman, Marielle (1% Non-EPA) NERL
S10RA 0097	(1) DNA-based methods for monitoring invasive species: a review and prospectus (2) Paradox lost: genetic diversity and the success of aquatic invasions	Dr. Darling, John A. (65%) Dr. Blum, Michael J. (10%) Dr. Roman, Joe (25% Non-EPA) NERL
S10RA 0101	(1) Complex issues with examining diesel exhaust toxicity: Is the task getting easier or harder (2) Biodiesel Exhaust: The Need for Health Effects Research	Dr. Madden, Michael (62%) Dr. Ghio, Andrew (13%) Ms. Swanson, Kimberly (25% Non-EPA) NHEERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Nominations Recommended for Honorable Mention (No Monetary Award) -- Total of 33		
Nom.	Titles and Citations of Submitted Papers	Authors* and Nominating Organization
S10RA 0102	Safety Assessment of Biotechnology Products for Potential Risk of Food Allergy: Implications of New Research	Dr. Selgrade, MaryJane K. (30%) Dr. Bowman, Christal (30%) Dr. Laessig, Susan (30%) Dr. Ladics, Greg (5% Non-EPA) Dr. Privalle, Laura (5% Non-EPA) NHEERL
S10TF0 121	Influence of Carboxymethyl Cellulose for the transport of Titanium Dioxide Nanoparticles in Clean Silica and Mineral Coated Sands	Dr. Al-Abed, Souhail (40%) Dr. Luxton, Todd (20%) Dr. Joo, Sunghee (40% Non-EPA) NRMRL
S10TF0 126	Types and Quantities of Leftover Drugs Entering the Environment via Disposal to Sewage - Revealed by Coroner Records	Dr. Daughton, Christian (55%) Dr. Ruhoy, Iiene (45% Non-EPA) NERL
S10TF0 131	Combining regional-and local-scale air quality models with exposure models for use in environmental health studies	Dr. Isakov, Vlad (20%) Mr. Touma, Jawad (15%) Dr. Burke, Janet (15%) Dr. Lobdell, Danelle T. (15%) Mr. Palma, Ted (15%) Dr. Ozkaynak, Haluk (15%) Dr. Rosenbaum, Arlene (5% Non-EPA) NERL
*Note: The percentages given after each name represent the current percent of the total level of effort as documented in the EPA nomination.		

Key to Acronyms used in the above Tables

NCCT - National Center for Computational Toxicology

NCEA - National Center for Environmental Research

NERL - National Exposure Research Laboratory

NHEERL - National Health and Environmental Effects Laboratory

NHSRC - National Homeland Security Research Center

NRMRL - National Risk Management Research Laboratory

OAR - Office of Air and Radiation

OAQPS - Office of Air Quality Planning and Standards

OCSP - Office of Chemical Safety and Pollution Prevention

OPP - Office of Pesticide Programs

OPPTS - Office of Pollution Prevention and Toxic Substances

OTAQ - Office of Transportation and Air Quality