

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

Final Minutes of the Closed Meeting on July 9-11, 2008

Committee: Scientific and Technological Achievement Awards Panel (STAA) of the U.S. Environmental Protection Agency's Science Advisory Board (SAB). (See Roster, Attachment 2)

Date and Time: July 9-11, 2008 (See Federal Register Notice, Attachment 3)

Location: Science Advisory Board, 3rd Floor Conference Room, 1025 F. Street, NW, Washington, DC.

Purpose: The purpose of the meeting was to allow the Committee to review papers nominated for the EPA's Scientific and Technological Achievement Awards and to discuss possible improvements to the process and program.

Materials Available: The agenda, roster, discs containing copies of the papers to be reviewed, the nominating forms and associated documents for those papers, and the nomination and review criteria were circulated to the Committee in advance of the meeting. The Committee Members had access to reports of previous years and Agency responses via the SAB website (www.epa.gov/sab) and hard copies were also available for review. A table summarizing the preliminary individual ratings of the most of the papers was available at the face-to-face meeting as were tables summarizing the preliminary consensus scores and a summary table of awards by category.

Attendees: With the exception of Dr. James Bus and Dr. John Smith, all Committee Members were present for the meeting. The attached roster identifies the Members and their institutions of employment.

Summary

There were no significant departures in timing from the agenda (see Attachment 1). The Committee's ultimate recommendations will be found in its final report.

In the weeks prior to the meeting, Committee Members read papers and reported their initial recommendations to the DFO who entered this information into a master table.

At the start of the closed meeting, the Committee under the guidance of the Chair, discussed each paper (following the order as listed on the nomination table (see Attachment 5)) and the reviewers' initial rankings were verbalized and recorded. Each paper was assigned to at least two Members for review. In any instance wherein there

was a debate, the papers received additional review by the Members. The total discussion time for all of the papers took the better part of two days, as the Committee reviewed and evaluated 130 papers. The topical categories were: Control Systems & Technology, Environmental Futures, Ecological Research, Health Effects Research and Human Health Risk Assessment, Integrated Risk Assessment, Monitoring & Measurement Methods, Review Articles, Risk Management and Ecosystem Restoration, Social Sciences, Transport and Fate, and Other Environmental Research.

After the Committee Members finished their preliminary consensus rankings of all papers, they compared their preliminary scores, category by category, with the final scores of the previous years', between categories of the current year. This discussion allowed the Committee a level of comfort that it had "calibrated" its preliminary recommendations correctly. The Committee considered papers which had been flagged for further discussion when the Committee first considered them and any others which the Committee Members wished to reconsider. It should be noted that during the discussion of one paper, Dr. Allen Burton recused himself from the discussion and left the room because of his close association with the author and the paper under consideration.

The Committee recommended a total of 51 nominations for awards and identified an additional 43 nominations worthy of Honorable Mention. The final report will list the specific awardees and the award levels.

The Committee identified comments it wished to make to the Agency in the final report accompanying its recommendations.

After Dr. Theis thanked the members for their efforts, the meeting was adjourned by the DFO.

Respectfully Submitted:

Certified as True:

_____/s/
Ms. Vivian Turner
Designated Federal Officer
Scientific and Technological
Achievement Award Committee

_____/s/
Dr. Thomas Theis, Chair

Dated January 7, 2009

Attachments:

1. Agenda for the Meeting
2. Committee Roster
3. Federal Register Notice
4. List of Nominated Papers and the Authors
5. E-mail from the Chair approving the Minutes

Attachment 1

STAA 2008 Committee Meeting (Closed to Public)

Agenda

Wednesday - Friday, July 9 -11, 2008

Woodies Building

1025 F Street, NW, Suite 3700

Washington, DC

Phone: 202-343-9999 (SAB's main #)

Wednesday, July 9, 2008

Prior to Starting	Collection of any ratings not previously submitted. Completion of summary table. Copying	Ms. Vivian Turner, <i>DFO for STAA</i> <i>SAB Staff Office</i>
9:00 am	Convene the Meeting and Opening Remarks	<i>STAA DFO</i>
	Welcome	Dr. Vanessa Vu, <i>Director, SAB Staff Office</i>
	Introduction of Advisory Members	Dr. Thomas Theis, <i>Chair and Panel Members</i>
	Review of the Agenda Confirmation/Correction of Ranking Tables	Dr. Thomas Theis, <i>Chair</i> <i>STAA Committee</i> <i>Members</i>
	Initial Screening of Nominations into two Groups <ul style="list-style-type: none">- Recommended for Awards- Not Recommended for Awards Re-categorize Nominations as Appropriate Determine if Additional Reviews are Needed Screening of "Recommended Nominations" into Categories (I, II, III or Honorable Mention)	
12 noon to 1:00 pm	Lunch	
1:00 pm	Continue Screening of "Recommended Nominations" into Categories (I, II, III or Honorable Mention) Screen "Not Recommended Nominations" to be sure none should be in the "Recommended	

Nominations” Group

4:00pm Additional Reading Assignments followed by
Reading Time

5:00 pm Adjourn for the Day Ms. Turner, *DFO*

Thursday, July 10, 2008

9:00 am Continue Screening of “Recommended Nominations” into
Categories (I, II, III or Honorable Mention)

10:30 General Discussion/Improving the Process

11:45 Identification of Main Process Points for Letter
Chair

12:00 Lunch

1:15 Continuation of previous Discussion/Screening

3:00 Additional Reading Assignments followed by Reading Time

5:00 Adjourn for the Day

Friday, July 11, 2008

8:30 am Reading Period
Draft Text of Process Portion of Letter Available

9:00 Panel Review of Process Portion of Letter

10:00 Last run-through of Recommendations for awards

Report Preparation

11:30-12:30 Lunch

12:30 pm Committee Review of Report for Approval of Content
and Final Language

1:00 pm DFO Adjourns the Meeting

Attachment 2

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

CHAIR

Dr. Thomas L. Theis, Professor and Director, Institute for Environmental Science and Policy, University of Illinois at Chicago, Chicago, IL

MEMBERS

Dr. G. Allen Burton, Wright State University, Dayton, OH

Dr. James Bus*, The Dow Chemical Company, Midland, MI

Dr. Stanley B. Grant, University of California, Irvine, Irvine, CA

Dr. Cynthia Harris, Florida A & M University, Tallahassee, FL

Dr. Dale Hattis, Clark University, Worcester, MA

Dr. Kazuhiko Ito, New York Medical Center, Tuxedo, New York

Dr. Michael T. Kleinman, University of California, Irvine, Irvine, CA

Dr. Joseph Landolph, University of Southern California, Los Angeles, CA

Dr. Randy Maddalena, Lawrence Berkeley National Laboratory, Berkeley, CA

Dr. Paulette Middleton, Panorama Pathways, Boulder, CO

Dr. Michael C. Newman, College of William & Mary, Gloucester Point, VA

Dr. John R. Smith*, Alcoa Inc, Alcoa Center, PA.

Dr. Barbara Zielinska, Desert Research Institute, Reno, NV

Dr. Yousheng Zeng, Providence Engineering and Environmental Group, LLC, Baton Rouge, LA

SCIENCE ADVISORY BOARD STAFF

Ms. Vivian Turner, Designated Federal Officer

*Unable to attend the July 9-11, 2008 meeting but submitted their reviews for consideration

Attachment 3

ENVIRONMENTAL PROTECTION AGENCY
[FRL-8559-8]

Science Advisory Board Staff Office; Notification of an Upcoming
Closed Meeting of the Science Advisory Board's Scientific and
Technological Achievement Awards Committee

AGENCY: Environmental Protection Agency (EPA).
ACTION: Notice.

SUMMARY: The U.S. Environmental Protection Agency's (EPA), Science Advisory Board (SAB) Staff Office announces a closed meeting of the SAB's Scientific and Technological Achievement Awards (STAA) Committee to recommend to the Administrator the recipients of the Agency's 2008 Scientific and Technological Achievement Awards.

DATES: The meeting dates are Wednesday and Thursday, July 9 and 10, 2008 from 9 a.m. to 5 p.m. and Friday, July 11, 2008, from 8:30 a.m. to 1 p.m. (eastern standard time).

ADDRESSES: The closed meeting will be held at the U. S. EPA Science Advisory Board Staff Office Conference Room, Third Floor, Suite 3700, 1025 F Street, NW., Washington, DC 20004.

FOR FURTHER INFORMATION CONTACT: Members of the public who wish to obtain further information regarding this announcement may contact Ms. Vivian Turner, Designated Federal Officer, by telephone: (202) 343-9697 or e-mail at: turner.vivian@epa.gov.

The SAB Mailing address is: U.S. EPA Science Advisory Board (1400F), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave, NW., Washington, DC 20460. General information about the SAB as well as any updates concerning the meeting announced in this notice may be found in the SAB Web site at: <http://www.epa.gov/sab>.

SUPPLEMENTARY INFORMATION: Summary: Pursuant to Section 10(d) of the Federal Advisory Committee Act (FACA), 5 U.S.C. App.2, and section (c)(6) of the Government in the Sunshine Act, 5 U.S.C. 552b(c)(6) EPA has determined that the meeting will be closed to the public. The purpose of the meeting is for the SAB to recommend to the Administrator

the recipients of the Agency's 2008 Scientific and Technological Achievement Awards. These awards are established to honor and recognize EPA employees who have made outstanding contributions in the advancement of science and technology through their research and development activities, as exhibited in publication of

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their results in peer reviewed journals. This meeting is closed to the public because it is concerned with selecting which employees are deserving of awards, a personnel matter with privacy concerns, which is exempt from public disclosure pursuant to section 10(d) of the Federal Advisory Committee Act (FACA), 5 U.S.C. App.2, and section (c)(6) of the Government in the Sunshine Act, 5 U.S.C. 552b(c)(6). In accordance with the provisions of the Federal Advisory Committee Act, minutes of the meeting will be kept for Agency and Congressional review.

Dated: April 16, 2008.
Stephen L. Johnson,
Administrator.

Attachment 4

XAS and XPS Characterization of Mercury Binding on Brominated Activated Carbon	Dr. Hutson, Nick (40%) Dr. Scheckel, Kirk (30%) Dr. Attwood, Brian C. (30% non EPA)
Iron Optimization for Fenton-Driven Oxidation of MTBE-Spent Granular Activated Carbon	Dr. Huling, Scott G. (80%) Dr. Jones, P. Kyle (10%) Dr. Lee, Tony (10%)
Optimizing Arsenic Removal During Iron Removal: Theoretical and Practical Considerations	Dr. Lytle, Darren A. (70%) Dr. Sorg, Thomas (25%) Dr. Snoeyink, Vernon (5% Non-EPA)
Emissions from the Burning of Vegetative Debris in Air Curtain Destructors	Dr. Miller, C. Andrew (50%) Dr. Lemieux, Paul M. (50%)
(1) Revisiting Nucleophilic Substitution Reactions: Microwave-Assisted Synthesis of Azides, Thiocyanates, and Sulfones in an Aqueous Medium	Dr. Varma, Rajender S. (50%) Dr. Ju, Yuhong (35% Non-EPA)
(2) Aqueous N-Heterocyclization of Primary Amines and Hydrazines with Dihalides: Microwave-Assisted Syntheses of N-Azacycloalkanes, Isoindole, Pyrazole, Pyrazolidine, and Phthalazine Derivatives	Dr. Kumar, Dalip (15% Non-EPA)
(3) Clean Chemical Synthesis in Water	
Genomic Approaches for Cross-Species Extrapolation in Toxicology	Dr. Benson, William H. (60%) Dr. Di Giulio, Richard T. (40% Non-EPA)
(1) Solvent-free Facile Synthesis of Novel Alpha-Tosyloxy Beta-Keto Sulfones Using [Hydroxy(tosyloxy) iodo]benzene	Dr. Varma, Rajender S. (65%) Dr. Kumar, Dalip (35% Non-EPA)
(2) Greener Organic Syntheses Under Non-Traditional Conditions	
(3) 'Greener' Chemical Synthetic Processes Using Enzymatic, Mechanochemical Mixing or Microwave- and Ultrasound Irradiation	

Comparison of "Geukensia demissa" populations in Rhode Island fringe salt marshes with varying nitrogen loads	Dr. Chintala, Marnita M. (80%) Dr. Wigand, Cathleen (10%) Dr. Thursby, Glen (10%)
Summer Fish Community of the Coastal Northern Gulf of Mexico: Characterization of a Large-Scale Trawl Survey	Dr. Lewis, Michael (35%) Dr. Jordan, Stephen (20%) Dr. Chancy, Cynthia (15%) Dr. Harwell, Linda (15%) Dr. Goodman, Larry (10%) Dr. Quarles, Robert (5%)
Depth-specific patterns in benthic-planktonic food web relationships in Lake Superior	Dr. Sierszen, Michael E. (60%) Dr. Peterson, Gregory S. (20%) Dr. Scharold, Jill V. (20%)
Interaction Of Planar And Nonplanar Organic Contaminants with Coal Fly Ash: Effects Of Polar and Nonpolar Solvent Solutions	Dr. Burgess, Robert M. (30%) Dr. Gundersen, Jennifer L. (20%) Dr. Ryba, Stephan A. (15%) Dr. Cantwell, Mark G. (15%) Dr. Tien, Rex (10% Non-EPA) Dr. Perron, Monique M. (10% Non-EPA)
A Classification of U.S. Estuaries Based on Physical and Hydrologic Attributes	Dr. Engle, Virginia D. (40%) Dr. Kurtz, Janis C. (30%) Dr. Smith, Lisa M. (10%) Dr. Chancy, Cynthia (10%) Dr. Bourgeois, Pete (10% Non-EPA)
Evaluating effects of low quality habitats on regional population growth in "Peromyscus leucopus": Insights from field-parameterized spatial matrix models	Dr. Gear, Jason (50%) Dr. Burns, Catherine E. (50% Non-EPA)

Phytoplankton production and nutrient distributions in a subtropical estuary: importance of freshwater flow

Dr. Murrell, Michael C. (70%)

Dr. Hagy, III, James D. (10%)

Dr. Greene, Richard M. (10%)

Dr. Lores, Emile M. (10%)

An Approach to Predict Risks to Wildlife Populations from Mercury and Other Stressors

Dr. Nacci, Diane (20%)

Dr. Pelletier, Marguerite (10%)

Dr. Bennett, Rick (10%)

Dr. Gear, Jason (10%)

Dr. Kuhn, Anne (10%)

Dr. Walters, Steven (10%)

Dr. Lake, Jim (5%)

Dr. Nichols, John (5%)

Dr. Haebler, Romona (5%)

Dr. Nicholson, Matthew (5%)

Dr. Munns, Jr., Wayne R. (5%)

Dr. Copeland, Jane (5% Non-EPA)

Characterizing seiche and tide-driven daily water level fluctuations affecting coastal ecosystems of the Great Lakes

Dr. Trebitz, Anett S. (100%)

(1) Sources of bias in weighted average inferences of environmental conditions

Dr. Yuan, Lester L. (100%)

(2) Using biological assemblage composition to infer the values of covarying environmental factors

(3) Effects of measurement error inferences of environmental conditions

The role of nitrogen in chromophoric and fluorescent dissolved organic matter formation

Dr. Zepp, Richard G. (50%)

Dr. Biers, Erin J. (40% Non-EPA)

Dr. Moran, Mary Ann (10% Non-EPA)

Pesticide Measurements from the First National Environmental Health Survey of Child Care Centers Using a Multi-Residue GC/MS Analysis Method

Dr. Tulve, Nicolle S. (35%)
Dr. Jones, Paul A. (20%)
Dr. Croghan, Carry W. (10%)
Dr. Fortmann, Roy C. (5%)
Dr. Nishioka, Marcia G. (10% Non-EPA)
Dr. Zhou, Joey Y. (5% Non-EPA)
Dr. Fraser, Alexa (5% Non-EPA)
Dr. Cave, Carol (5% Non-EPA)
Dr. Friedman, Warren (5% Non-EPA)

Assessing Lead Risks At Non-Residential Hazardous Waste Sites

Dr. Maddaloni, Mark (25%)
Dr. Ballew, Mary A. (15%)
Dr. Van Leeuwen, Patricia (11%)
Dr. Khoury, Ghassan A. (11%)
Dr. Koporec, Kevin (11%)
Dr. Troast, Richard (7%)
Dr. Luey, James E. (5%)
Dr. Zaragosa, Lawrence (5%)
Dr. Johnson, Mark D. (5%)
Dr. Follansbee, Mark (1% Non-EPA)
Dr. Gefell, Dan (1% Non-EPA)
Dr. Goodrum, Phillip (1% Non-EPA)
Dr. Odin, Marc (1% Non-EPA)
Dr. Diamond, Gary (1% Non-EPA)

Risk Assessment and Life Cycle Impact Assessment (LCIA) for Human Health Cancerous and Noncancerous Emissions: Integrated and Complementary with Consistency within the US EPA

Dr. Bare, Jane C. (100%)

(1) Computational pharmacokinetics during developmental windows of susceptibility

Dr. Barton, Hugh A. (40%)

Dr. Rodriguez, Chester E. (30%)

(2) Predicting Age-Appropriate Pharmacokinetics of Six Volatile Organic Compounds in the Rat Utilizing Physiologically Based Pharmacokinetic Modeling

Dr. Lipscomb, John C. (10%)

Dr. Mahle, Deirdre A. (10% Non-EPA)

Dr. Gearhart, Jeff M. (4% Non-EPA)

Dr. Mattie, David R. (4% Non-EPA)

Dr. Cook, Robert S. (2% Non-EPA)

The cyanobacterial toxin, cylindrospermopsin, induces fetal toxicity in the mouse after exposure late in gestation

Dr. Chernoff, Neil (48%)

Dr. Rogers, Ellen H. (47%)

Dr. Zehr, R. Daniel (1% Non-EPA)

Dr. Gage, Michael I. (1% Non-EPA)

Dr. Humpage, Andrew R. (1% Non-EPA)

Dr. Falconer, Ian R. (1% Non-EPA)

Dr. Marr, Melissa C. (1% Non-EPA)

Identification of Estrogenic Compounds Emitted from the Combustion of Computer Printed Circuit Boards in Electronic Waste

Dr. Wilson, Vickie S. (40%)

Dr. Owens, Clyde V. (35%)

Dr. Lambright, Christy (5%)

Dr. Bobseine, Kathy (5%)

Dr. Gullett, Brian K. (5%)

Dr. Gray, Jr., L. Earl (5%)

Dr. Ryan, Bryce (5% Non-EPA)

(1) Dimethylthioarsinic anhydride: A standard for arsenic speciation	Dr. Creed, Patricia A. (22%)
	Dr. Creed, John T. (21%)
(2) Comparison of a Chemical and Enzymatic Extraction of Arsenic from Rice and an Assessment of the Arsenic Absorption from Contaminated Water by Cooked Rice	Dr. Schwegel, Carol A. (8%)
	Dr. Fricke, Michael W. (17% Non-EPA)
	Dr. Ackerman, Amanda H. (14% Non-EPA)
	Dr. Parks, Amy N. (4% Non-EPA)
	Dr. Heitkemper, Douglas T. (4% Non-EPA)
	Dr. Shockey, Nohora Vela (4% Non-EPA)
	Dr. Zeller, Matthias (2% Non-EPA)
	Dr. Cullen, William R. (2% Non-EPA)
	Dr. Witkowski, Mark (2% Non-EPA)
Elevated PBDE Levels In Pet Cats: Sentinels for Humans?	Dr. Dye, Janice A. (50%)
	Dr. Birnbaum, Linda S. (15%)
	Dr. Venier, Marta (20% Non-EPA)
	Dr. Zhu, Lingyan (5% Non-EPA)
	Dr. Hites, Ronald A. (5% Non-EPA)
	Dr. Ward, Cynthia R. (5% Non-EPA)
Transcriptional responses in thyroid tissues from rats treated with a tumorigenic and a non-tumorigenic triazole conazole fungicide	Dr. Hester, Susan D. (50%)
	Dr. Nesnow, Stephen C. (50%)
Speciation of organotins in polyvinyl chloride pipe via X-ray absorption spectroscopy and in leachates using GC-PFPD after derivatisation	Dr. Impellitteri, Christopher A. (45%)
	Dr. Evans, Otis M. (40%)
	Dr. Ravel, Bruce (15% Non-EPA)

The Spontaneously Hypertensive Rat: An Experimental Model of Sulfur Dioxide-Induced Airways Disease

Dr. Kodavanti, Urmila P. (25%)
Dr. Schladweiler, Mette C. (10%)
Dr. Ledbetter, Allen D. (10%)
Dr. Richards, Judy (5%)
Dr. Jaskot, Richard H. (5%)
Dr. Karoly, Edward (5%)
Dr. Costa, Daniel L. (5%)
Dr. Evansky, Paul (5%)
Dr. Pinkerton, Kent E. (5% Non-EPA)
Dr. Gilmour, Peter S. (5% Non-EPA)
Dr. Thomas, Ronald (5% Non-EPA)
Dr. Huang, Yuh-Chin T. (5% Non-EPA)
Dr. Ortuno, Roselia Villalobos (5% Non-EPA)
Dr. Suffia, Marie (5% Non-EPA)

(1) Effects of perfluorooctanoic acid exposure during pregnancy in the mouse

Dr. Lau, Christopher (20%)

(2) Developmental toxicity of perfluorooctanoic acid (PFOA) after cross foster and restricted gestational exposure

Dr. Abbott, Barbara D. (17%)

Dr. Rosen, Mitch (17%)

(3) Gene expression profiling in the lung and liver of PFOA-exposed mouse fetuses

Dr. Wolf, Cynthia J. (13%)

Dr. Das, Kaberi (10%)

Dr. Fenton, Suzanne E. (10%)

Dr. Bryant, X.A. (1% Non-EPA)

Dr. Calafat, A.M. (1% Non-EPA)

Dr. Hanson, R.G. (1% Non-EPA)

Dr. Lindstrom, A.B. (1% Non-EPA)

Dr. Narotsky, M.G. (1% Non-EPA)

Dr. Rogers, J.M. (1% Non-EPA)

Dr. Schmid, J.E. (1% Non-EPA)

Dr. Strynar, M.J. (1% Non-EPA)

Dr. Thibodeaux, J.R. (1% Non-EPA)

Dr. White, S.S. (1% Non-EPA)

Dr. Wood, C.R. (1% Non-EPA)

Dr. Zehr, R.D. (1% Non-EPA)

Dr. Kulenyik, Z. (1% Non-EPA)

Assessment of Inhalation Exposures and Potential Health Risks to the General Population that Resulted from the Collapse of the World Trade Center Tower

Dr. Lorber, Matthew (50%)

Dr. Pleil, Joachim (10%)

Dr. Cleverly, David (10%)

Dr. Gibb, Herman (10%)

Dr. Grant, Lester (10%)

Dr. Pinto, Joseph (10%)

Using IFN- γ as a Biomarker for Detecting Exposure to Viral Pathogens

Dr. Li, Lu (80%)

Dr. Dufour, Alfred P. (20%)

(1) Exposures of preschool children to chlorpyrifos and its degradation product 3,5,6-trichloro-2-pyridinol in their everyday environments

Dr. Morgan, Marsha K. (33%)

Dr. Sheldon, Linda S. (25%)

(2) An observational study of 127 preschool children at their homes and daycare centers in Ohio: environmental pathways to cis- and trans-permethrin exposure

Dr. Croghan, Carry (10%)

Dr. Jones, Paul A. (10%)

(3) Adult and Children's exposure to 2,4-D from multiple sources and pathways

Dr. Thomas, Kent W. (5%)

Dr. Egeghy, Peter P. (5%)

Dr. Roberson, Gary L. (1%)

Dr. Wilson, Nancy K. (5% Non-EPA)

Dr. Chuang, Jane C. (5% Non-EPA)

Dr. Lyu, Christopher (1% Non-EPA)

Chronic Arsenic Exposure and Cardiac Repolarization Abnormalities with QT Interval Prolongation in a Population-based Study

Dr. Mumford, Judy (50%)

Dr. Sanders, William E. (12% Non-EPA)

Dr. Wu, Kegong (10% Non-EPA)

Dr. Kwok, Richard (10% Non-EPA)

Dr. Xia, Yajuan (8% Non-EPA)

Dr. Yang, Zhihui (5% Non-EPA)

Dr. Foster, James (5% Non-EPA)

Modeling population exposures to outdoor sources of hazardous air pollutants

Dr. Ozkaynak, Haluk (50%)

Dr. Palma, Ted (30%)

Dr. Thurman, James (15%)

Dr. Touma, Jawad S. (5%)

Improved Estimates on Cancer Site-Specific Risks for A-Bomb Survivors

Dr. Pawel, David J. (55%)

Dr. Preston, Dale L. (20% Non-EPA)

Dr. Pierce, Don (20% Non-EPA)

Dr. Cologne, John (5% Non-EPA)

Exposure reconstruction for reducing uncertainty in risk assessment: Example using MTBE biomarkers and a simple pharmacokinetic model

Dr. Pleil, Joachim D. (70%)

Dr. Prah, James D. (10%)

Dr. Kim, David (10% Non-EPA)

Dr. Rappaport, Stephen (10% Non-EPA)

<p>Identification of interspecies concordance of mechanisms of arsenic-induced bladder cancer</p>	<p>Dr. Sen, Banalata (30%)</p> <p>Dr. Hester, Susan D. (25%)</p> <p>Dr. Wolf, Douglas C. (20%)</p> <p>Dr. Sen, Banalata (15% Non-EPA)</p> <p>Dr. Turpaz, Yaron (4% Non-EPA)</p> <p>Dr. Bugrim, Andrej (3% Non-EPA)</p> <p>Dr. Retief, Jacques (3% Non-EPA)</p>
<p>Estimating Risk from Ambient Concentrations of Acrolein across the United States</p>	<p>Dr. Woodruff, Tracey J. (25%)</p> <p>Dr. Wells, Ellen M. (25%)</p> <p>Dr. Holt, Elizabeth W. (20%)</p> <p>Dr. Axelrad, Daniel A. (20%)</p> <p>Dr. Burgin, Deborah E. (10%)</p>
<p>(1) Quantitative comparisons of the acute neurotoxicity of toluene in rats and humans</p> <p>(2) A dosimetric analysis of the acute behavioral effects of inhaled toluene in rats</p> <p>(3) Acute toluene exposure alters rat visual function in proportion to momentary brain concentration</p>	<p>Dr. Bushnell, Philip J. (15%)</p> <p>Dr. Benignus, Vernon A. (15%)</p> <p>Dr. Boyes, William K. (15%)</p> <p>Dr. Oshiro, Wendy M. (15%)</p> <p>Dr. Kenyon, Elaina M. (15%)</p> <p>Dr. Shafer, Timothy J. (5%)</p> <p>Dr. Samsam, Tracey E. (5%)</p> <p>Dr. Krantz, Q. Todd (5%)</p> <p>Dr. Bercegeay, Mark (5%)</p> <p>Dr. Bale, Ambuja (5%)</p>
<p>(1) Economics and Ecological Risk Assessment: Applications to Watershed Management. Chapter 1. Introduction</p> <p>(2) Chapter 9. Conceptual Approach for Integrated Watershed Management</p> <p>(3) Chapter 16. Conclusions</p>	<p>Dr. Bruins, Randall J. F. (50%)</p> <p>Dr. Heberling, Matthew T. (45%)</p> <p>Dr. Maddock, Tara A. (5%)</p>

Impact of Underestimating the Effects of Cold Temperature on Motor Vehicle Start Emissions of Air Toxics in the United States	<p>Dr. Cook, James Richard (20%)</p> <p>Dr. Fernandez, Antonio M. (10%)</p> <p>Dr. Brzezinski, David (10%)</p> <p>Dr. Thurman, James A. (10%)</p> <p>Dr. Strum, Madeleine L. (10%)</p> <p>Dr. Bailey, Chad R. (5%)</p> <p>Dr. Scarbro, Carl A. (5%)</p> <p>Dr. Baldauf, Richard W. (5%)</p> <p>Dr. Touma, Jawad S. (15% Non-EPA)</p> <p>Dr. Ensley, Darrell B. (10% Non-EPA)</p>
(1) Quantification of fluorotelomer-based chemicals in mammalian matrices by monitoring perfluoroalkyl chain fragments with GC/MS	<p>Dr. Henderson, W. Matthew (80%)</p> <p>Dr. Weber, Eric J. (5%)</p>
(2) Perfluorooctanoic Acid and Perfluorononanoic Acid in Fetal and Neonatal Mice Following in Utero Exposure to 8-2 Fluorotelomer Alcohol	<p>Dr. Duirk, Stephen E. (5%)</p> <p>Dr. Washington, John W. (5%)</p> <p>Dr. Smith, Mary Alice (5% Non-EPA)</p>
In Vitro Metabolism of the Fungicide and Environmental Contaminant trans-bromuconazole and Implications for Risk Assessment	<p>Dr. Mazur, Christopher S. (22%)</p> <p>Dr. Kenneke, John F. (22%)</p> <p>Dr. Tebes-Stevens, Caroline (22%)</p> <p>Dr. Lipscomb, John C. (22%)</p> <p>Dr. Okino, Miles (12%)</p>
Using ecological risk assessment principles in a source water protection assessment	<p>Dr. Serveiss, Victor B. (55%)</p> <p>Dr. Ohlson, Dan W. (45% Non-EPA)</p>
(1) Mercury Exposure from Domestic and Imported Estuarine and Marine Fish in the U.S. Seafood Market	<p>Dr. Sunderland, Elsie (80%)</p>
(2) Human Impacts on Open Ocean Mercury Concentrations	<p>Dr. Mason, Robert P. (20% Non-EPA)</p>

Open burning of agricultural biomass: Physical and chemical properties of particle-phase emissions	<p>Dr. Hays, Michael D. (50%)</p> <p>Dr. Geron, Christopher D. (10%)</p> <p>Dr. Gullett, Brian K. (10%)</p> <p>Dr. Fine, Philip M. (20% Non-EPA)</p> <p>Dr. Kleeman, Michael J. (10% Non-EPA)</p>
Florida seagrass habitat evaluation: a comparative survey for chemical quality	<p>Dr. Lewis, Michael A. (65%)</p> <p>Dr. Dantin, Darrin D. (15%)</p> <p>Dr. Chancy, Cynthia (10%)</p> <p>Dr. Lewis, Christopher (5% Non-EPA)</p> <p>Dr. Abel, Kathryn (5% Non-EPA)</p>
Interlaboratory evaluation of "Hyaella azteca" and "Chironomus tentans" short-term and long-term sediment toxicity tests	<p>Dr. Norberg-King, Teresa J. (40%)</p> <p>Dr. Mount, David (10%)</p> <p>Dr. Ireland, Scott (5%)</p> <p>Dr. Sibley, Paul K. (15% Non-EPA)</p> <p>Dr. Ingersoll, Christopher (15% Non-EPA)</p> <p>Dr. Kemble, Nile (5% Non-EPA)</p> <p>Dr. Burton, G. Allen (5% Non-EPA)</p> <p>Dr. Rowland, Carrie (5% Non-EPA)</p>
(1) Effect of Single Wide Tires and Trailer Aerodynamics on Fuel Economy and NOx Emissions of Class 8 Line-Haul Tractor-Trailers	<p>Dr. Bachman, L. Joseph (48%)</p> <p>Dr. Bynum, Cheryl (15%)</p>
(2) Fuel Economy Improvements and NOx Reduction By Reduction of Parasitic Losses: Effect of Engine Design	<p>Dr. Erb, Anthony (15%)</p> <p>Dr. Shoffner, Brent (10% Non-EPA)</p> <p>Dr. Ensfield, Carl (7% Non-EPA)</p> <p>Dr. De LaFuente, Hector Non-EPA)</p>

(1) Quantification and Associated Variability of Induced Vitellogenin Gene Transcripts in Fathead Minnow ("Pimephales promelas") by Quantitative Real-Time Polymerase Chain Reaction Assay	Dr. Biales, Adam (35%)
	Dr. Bencic, David C. (25%)
	Dr. Lattier, David L. (15%)
(2) A Quantitative Real-Time Polymerase Chain Reaction Method for the Analysis of Vitellogenin Transcripts in Model and Nonmodel Fish Species	Dr. Flick, Robert W. (15%)
	Dr. Lazorchak, Jim L. (10%)
Evaluation of a method to re-use electropositive cartridge filters for concentrating viruses from tap and river water	Dr. Cashdollar, Jennifer L. (50%)
	Dr. Dahling, Daniel R. (50%)
A General Indication of the Contemporary Background Levels of PCDDs, PCDFs, and Coplanar PCBs in the Ambient Air over Rural and Remote Areas of the United States	Dr. Cleverly, David H. (55%)
	Dr. Ferrario, Joseph (15%)
	Dr. Byrne, Christian (15%)
	Dr. Riggs, Karen (5% Non-EPA)
	Dr. Joseph, Darrell (5% Non-EPA)
	Hartford, Pamela (5% Non-EPA)
(1) Investigation of arsenic speciation on drinking water treatment media utilizing automated sequential continuous flow extraction with IC-ICP-MS detection	Dr. Schwegel, Carol A. (30%)
	Dr. Creed, Patricia A. (20%)
(2) Investigation of sequential and enzymatic extraction of arsenic from drinking water distribution solids using ICP-MS	Dr. Creed, John T. (20%)
	Dr. Sorg, Thomas J. (10%)
	Dr. Lytle, Darren A. (10%)
	Dr. Gallawa, Christina M. (5% Non-EPA)
	Dr. Young, Andrea R. (5% Non-EPA)

(1) Metabolomic evaluation of rat liver and testis to characterize the toxicity of triazole fungicides	Dr. Ekman, Drew R. (25%)
	Dr. Collette, Timothy W. (15%)
(2) Raman spectroscopy-based metabolomics for differentiating exposures to triazole fungicides using rat urine	Dr. Teng, Quincy (8%)
(3) NMR analysis of male fathead minnow urinary metabolites: A potential approach for studying impacts of chemical exposures	Dr. Dix, David J. (6%)
	Dr. Ankley, Gerald T. (6%)
	Dr. Villeneuve, Dan L. (6%)
	Dr. Jensen, Kathleen M. (6%)
	Dr. Rockett, John C. (2%)
	Dr. Cherney, Daniel P. (8% Non-EPA)
	Dr. Keun, Hector C. (6% Non-EPA)
	Dr. Martinovic, Dalma (6% Non-EPA)
	Dr. Eads, Charles D. (2% Non-EPA)
	Dr. Furnish, Carrie M. (2% Non-EPA)
	Dr. Murrell, Rachel N. (2% Non-EPA)
Chemical markers of human waste contamination: Analysis of urobilin and pharmaceuticals in source waters	Dr. Jones-Lepp, Tammy L. (100%)
Rainbow Trout ("Oncorhynchus mykiss") and Brook Trout ("Salvelinus fontinalis") 7-Day Survival and Growth Test Method	Dr. Lazorchak, James M. (50%)
	Dr. Smith, Mark E. (50% Non-EPA)
The Ecological Condition of Veracruz, Mexico Estuaries	Dr. Macauley, John M. (60%)
	Dr. Harwell, Linda C. (30%)
	Dr. Alafita, Hector V. (10% Non-EPA)
(1) Mercury concentration in fish from streams and rivers throughout the western United States	Dr. Peterson, Spencer A. (49%)
	Dr. Van Sickle, John (15%)
(2) Mercury concentration in frozen whole-fish homogenates is insensitive to holding time	Dr. Peck, David V. (13%)
	Dr. Herlihy, Alan T. (13% Non-EPA)
	Dr. Hughes, Robert M. (10% Non-EPA)

(1) Competitive Metagenomic DNA Hybridization Identifies Host-Specific Microbial Genetic Markers in Cow Fecal Samples	Dr. Shanks, Orin C. (60%) Dr. Santo Domingo, Jorge W. (20%)
(2) Identification of Bacterial DNA Markers for the Detection of Human Fecal Pollution in Water	Dr. Kelty, Catherine A. (11%) Dr. Graham, James E. (5% Non-EPA) Dr. Lu, Jingrang (2% Non-EPA) Dr. Lamendella, Regina (2% Non-EPA)
A Diurnal Reflectance Model Using Grass: Surface-Subsurface Interaction and Inversion	Dr. Shirazi, Mostafa A. (80%) Dr. Reporter, Minocher (20% Non-EPA)
(1) A null model for the expected macroinvertebrate assemblage in streams	Dr. Van Sickle, John (75%) Dr. Larsen, D. P. (7%)
(2) Selecting discriminant function models for predicting the expected richness of aquatic macroinvertebrates	Dr. Hawkins, C. P. (10% Non-EPA)
(3) Exclusion of rare taxa affects performance of the O/E index in bioassessments	Dr. Herlihy, A. T. (4% Non-EPA) Dr. Duff, D. D. (4% Non-EPA)
Impact of Submersible Pumps on Pb Constituents in Residential Wells	Dr. Sidle, William C. (80%) Dr. Li, Paul (20% Non-EPA)
(1) The Ecological Condition of Gulf of Mexico Resources from Perdido Key to Port St. Joe, Florida, USA: Part I. Coastal Beach Resources	Dr. Smith, Lisa M. (30%) Dr. Harwell, Linda C. (25%)
(2) The Ecological Condition of Gulf of Mexico Resources from Perdido Key to Port St. Joe, Florida, USA: Part II. Near-Shelf Coastal Resources	Dr. Summers, J. Kevin (25%) Dr. Didonato, Eva M. (10%) Dr. Nestlerode, Janet (5%) Dr. Harvey, James E. (5%)
Occurrence of Antibiotic-Resistant Urpathogenic "Escherichia coli" Clonal Group A in Wastewater Effluents	Dr. Boczek, Laura A. (50%) Dr. Rice, Eugene W. (35%) Dr. Johnson, James R. (10% Non-EPA) Dr. Johnston, Brian (5% Non-EPA)

<p>Mechanistic computational model of ovarian steroidogenesis to predict biochemical responses to endocrine active compounds</p>	<p>Dr. Breen, Michael S. (40%) Dr. Villeneuve, Daniel L. (25%) Dr. Conolly, Rory B. (20%) Dr. Ankley, Gerald T. (5%) Dr. Breen, Miyuki (10% Non-EPA)</p>
<p>Reference Values for Exposure to PAH Contaminants: Comparison of Fish from Ohio and Mid-Atlantic Streams</p>	<p>Dr. Cormier, Susan M. (50%) Dr. Lin, Luan-Ho C. (50%)</p>
<p>(1) The development of a matrix-assisted laser desorption/ionization mass spectrometry-based method for the protein fingerprinting and identification of "Aeromonas" species using whole cells</p>	<p>Dr. Donohue, Maura J. (25%) Dr. Shoemaker, Jody A. (20%) Dr. Rodgers, Mark R. (10%)</p>
<p>(2) Differentiation of "Aeromonas" Isolated from Drinking Water Distribution Systems Using Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry</p>	<p>Dr. Pfaller, Stacy L. (10%) Dr. Best, Jennifer A. (10%) Dr. Kostich, Mitchell S. (10%) Dr. Smallwood, Anthony Wayne (15% Non-EPA)</p>
<p>Characterization of Air Emissions and Residual Ash from Open Burning of Electronic Wastes during Simulated Rudimentary Recycling Operations</p>	<p>Dr. Gullett, Brian K. (40%) Dr. Linak, William P. (40%) Dr. Gatica, Staci (5%) Dr. Wasson, Shirley J. (5%) Dr. Touati, Abderrahmane (5% Non-EPA) Dr. King, Charles J. (5% Non-EPA)</p>
<p>(1) Characterizing residue transfer efficiencies using a fluorescent imaging technique</p>	<p>Dr. Cohen Hubal, Elaine A. (37%) Dr. Egeghy, Peter P. (7%)</p>
<p>(2) Measuring potential dermal transfer of a pesticide to children in a daycare center</p>	<p>Dr. Suggs, Jack C. (4%)</p>
<p>(3) Comparing surface residue transfer efficiencies to hands using polar and non-polar fluorescent tracers</p>	<p>Dr. Leovic, Kelly W. (3%) Dr. Nishioka, Marcia G. (24% Non-EPA) Dr. Akland, Gerald G. (14% Non-EPA)</p>

	Dr. Ivancic, William A. (10% Non-EPA)
	Dr. Morara, M. (1% Non-EPA)
Emissions from Cooking Microwave Popcorn	Dr. Rosati, Jacky A. (60%)
	Dr. Krebs, Kenneth A. (35%)
	Dr. Liu, Xiaoyu (5% Non-EPA)
Comparison of (85)Kr and (3)H Apparent Ground-Water Ages for Source Water Vulnerability in the Collyer River Catchment, Maine	Dr. Sidle, William C. (100%)
Impact of Test Cycle and Biodiesel Concentration on Emissions	Dr. Sze, Chien (40%)
	Dr. Sobotowski, Rafal A. (20%)
	Dr. Whinihan, Joan K. (20%)
	Dr. Olson, Brian A. (10%)
	Dr. Schenk, Charles R. (10%)
(1) Green Approach to Bulk and Template-free Synthesis of Thermally Stable Reduced Polyaniline Nanofibers for Capacitor Applications	Dr. Varma, Rajender S. (50%)
	Dr. Kumar, Dalip (35% Non-EPA)
(2) Nanosized Magnesium Oxide as Catalyst for the Rapid and Green Synthesis of Substituted 2-Amino-2-Chromenes	Dr. Nadagouda, Mallikarjuna N. (15% Non-EPA)
A graphical systems model to facilitate hypothesis-driven ecotoxicogenomics research on the teleost brain-pituitary-gonadal axis	Dr. Villeneuve, Daniel L. (45%)
	Dr. Ankley, Gerald T. (10%)
	Dr. Knoebl, Iris (5%)
	Dr. Kahl, Michael D. (5%)
	Dr. Jensen, Kathleen M. (5%)
	Dr. Makynen, Elizabeth A. (5%)
	Dr. Durhan, Elizabeth J. (5%)
	Dr. Miracle, Ann L. (5% Non-EPA)

Dr. Carter, Barbara J. (5% Non-EPA)

Dr. Denslow, Nancy D. (5% Non-EPA)

Dr. Larkin, Patrick (5% Non-EPA)

(1) A Probabilistic Arsenic Exposure Assessment for Children Who Contact Chromated Copper Arsenate (CCA)-Treated Playsets and Decks, Part 1: Model Methodology, Variability Results, and Model Evaluation

Dr. Zartarian, Valerie (30%)

Dr. Xue, Jianping (30%)

Dr. Ozkaynak, Haluk (20%)

(2) A Probabilistic Arsenic Exposure Assessment for Children Who Contact Chromated Copper Arsenate (CCA)-Treated Playsets and Decks, Part 2: Sensitivity and Uncertainty Analyses

Dr. Dang, Winston (5%)

Dr. Smith, Luther (5% Non-EPA)

Dr. Glen, Graham (5% Non-EPA)

Dr. Stallings, Casson (5% Non-EPA)

Critical Analysis of the Mathematical Relationships and Comprehensiveness of Life Cycle Impact Assessment Approaches

Dr. Bare, Jane C. (70%)

Dr. Gloria, Thomas P. (30% Non-EPA)

A review of the mutagenicity and rodent carcinogenicity of ambient air

Dr. Claxton, Larry D. (70%)

Dr. Woodall, Jr., George M. (30%)

Drowning in disinfection byproducts? Assessing swimming pool water

Dr. Richardson, Susan D. (25%)

Dr. DeMarini, David M. (25%)

Dr. Zwiener, Christian (25% Non-EPA)

Dr. Grummt, Tamara (10% Non-EPA)

Dr. Glauner, Thomas (10% Non-EPA)

Dr. Frimmel, Fritz H. (5% Non-EPA)

Immunoassays and Other Bioanalytical Techniques: Chapter 1. Integrating Bioanalytical Capability in an Environmental Analytical Laboratory	<p>Dr. Van Emon, Jeanette M. (60%)</p> <p>Dr. Chuang, Jane C. (25% Non-EPA)</p> <p>Dr. Trejo, Raquel M. (10% Non-EPA)</p> <p>Dr. Durnford, Joyce (5% Non-EPA)</p>
Assessing Susceptibility from Early-Life Exposure to Carcinogens	<p>Dr. Barton, Hugh A. (20%)</p> <p>Dr. Flowers, Lynn (20%)</p> <p>Dr. Setzer, Woodrow (20%)</p> <p>Dr. Woodruff, Tracey (20%)</p> <p>Dr. Cogliano, V. James (10%)</p> <p>Dr. Valcovic, Larry (10%)</p>
Pharmaceuticals and personal care products in biosolids/sewage sludge: the interface between analytical chemistry and regulation	<p>Dr. Jones-Lepp, Tammy L. (50%)</p> <p>Dr. Stevens, Rick (50%)</p>
The Effectiveness of Voluntary Environmental Programs--A Policy at a Crossroads?	<p>Dr. Koehler, Dinah (100%)</p>
Analytic element ground water modeling as a research program (1980 to 2006)	<p>Dr. Kraemer, Stephen R. (100%)</p>
Receptor modeling of ambient particulate matter data using positive matrix factorization: Review of existing methods	<p>Dr. Reff, Adam (70%)</p> <p>Dr. Eberly, Shelly (20%)</p> <p>Dr. Bhave, Prakash (10% Non-EPA)</p>
Occurrence, genotoxicity, and carcinogenicity of regulated and emerging disinfection by-products in drinking water: A review and roadmap for research	<p>Dr. Richardson, Susan D. (30%)</p> <p>Dr. DeMarini, David M. (30%)</p> <p>Dr. Schoeny, Rita (10%)</p> <p>Dr. Wagner, Elizabeth D. (15% Non-EPA)</p> <p>Dr. Plewa, Michael J. (15% Non-EPA)</p>
Water Analysis: Emerging Contaminants and Current Issues	<p>Dr. Richardson, Susan D. (100%)</p>

Removing Esoteric Contaminants from Drinking Waters: Impacts of Treatment Implementation	Dr. Speth, Thomas F. (60%) Dr. Schock, Michael R. (40%)
Microwaves in Green and Sustainable Chemistry	Dr. Varma, Rajender S. (50%) Dr. Strauss, Christopher R. (50% Non-EPA)
Waterborne pathogens in urban watersheds	Dr. Arnone, Russell D. (50%) Dr. Walling, Joyce M. (50%)
Toxicoproteomics and its application to human health risk assessment	Dr. Ge, Yue (70%) Dr. Preston, R. Julian (20%) Dr. Owen, Russell D. (10%)
Interactive effects of solar UV radiation and climate change on biogeochemical cycling	Dr. Zepp, Richard G. (50%) Dr. Paul, Nigel D. (17% Non-EPA) Dr. Sulzberger, Barbara (17% Non-EPA) Dr. Erickson, David J. (16% Non-EPA)
How to assess the risks of nanotechnology: learning from past experience	Dr. Davis, J. Michael (100%)
(1) In vitro-in vivo extrapolation of quantitative hepatic biotransformation data for fish. I. A review of methods, and strategies for incorporating intrinsic clearance estimates into chemical kinetic models	Dr. Nichols, John W. (55%) Dr. Fitzsimmons, Patrick N. (20%) Dr. Burkhard, Lawrence P. (10%)
(2) A compilation of vitro rate and affinity values for xenobiotic biotransformation in fish, measured under physiological conditions	Dr. Lien, Gregory J. (5%) Dr. Schultz, Irvin R. (10% Non-EPA)
(3) In vitro-in vivo extrapolation of quantitative hepatic biotransformation data for fish. II. Modeled effects on chemical bioaccumulation	
Partitioning, Desorption, and Dechlorination of a PCB Congener in Sediment Slurry Supernatants	Dr. Al-Abed, Souhail (70%) Dr. Fang, Yuanxiang (James) (30% Non-EPA)

Enhanced Corrosion-Based Pd/Mg Bimetallic Systems for Dechlorination of PCBs	Dr. Al-Abed, Souhail (50%) Dr. Agarwal, Shirish (40% Non-EPA) Dr. Dionysiou, Dionysios (10% Non-EPA)
Use of carbon stable isotope to investigate chloromethane formation in the electrolytic dechlorination of trichloroethylene	Dr. Al-Abed, Souhail (70%) Dr. Fang, Yuanxiang (James) (30% Non-EPA)
Palladium-Facilitated Electrolytic Dechlorination of 2-Chlorobiphenyl Using a Granular-Graphite Electrode	Dr. Al-Abed, Souhail (60%) Dr. Fang, Yuanxiang (James) (40% Non-EPA)
Arsenic Release from Iron Rich Mineral Processing Waste: Influence of pH and Redox Potential	Dr. Al-Abed, Souhail (50%) Dr. Allen, Derrick (10%) Dr. Jegadeesan, Gautham (20% Non-EPA) Dr. Purandare, Jaydeep (20% Non-EPA)
(1) Use of Granular Graphite for Electrolytic Dechlorination of Trichloroethylene	Dr. Al-Abed, Souhail (70%) Dr. Fang, Yuanxiang (James) (30% Non-EPA)
(2) Modeling the Electrolytic Dechlorination of Trichloroethylene in a Granular Graphite-Packed Reactor	
Personal Values, Beliefs, and Ecological Risk Perception	Dr. Slimak, Michael W. (75%) Dr. Thomas, Dietz (25% Non-EPA)
Decision Making In Rapid Assessment And Diagnosis Of CBRN Effects On Coastal Lagoons - Case Study: Dieldrin Attack In Dalyan Lagoon	Dr. Ambrose, Jr., Robert B. (40%) Dr. Rashleigh, Brenda (20%) Dr. Erturk, Ali (40% Non-EPA)
Calculating Physical Properties Of Organic Compounds For Environmental Modeling From Molecular Structure	Dr. Hilal, Said (65%) Dr. Whiteside, Tad S. (15% Non-EPA) Dr. Saravananaraj, A. N. (10% Non-EPA) Dr. Carreira, L. A. (10% Non-EPA)

(1) Estimation of Phosphate Ester Hydrolysis Rate Constants. I. Alkaline Hydrolysis	Dr. Hilal, Said (60%) Dr. Whiteside, Tad S. (30% Non-EPA)
(2) Estimation of Phosphate Ester Hydrolysis Rate Constants. II. Acid and General Base Catalyzed Hydrolysis	Dr. Carreira, L. A. (10% Non-EPA)
Enantioselective Microbial Transformation of the Phenylpyrazole Insecticide Fipronil in Anoxic Sediments	Dr. Jones, W. Jack (30%) Dr. Mazur, Christopher S. (25%) Dr. Kenneke, John F. (25%) Dr. Garrison, A. Wayne (20%)
Development and analysis of air quality modeling simulations for hazardous air pollutants	Dr. Luecken, Deborah (50%) Dr. Hutzell, William (40%) Dr. Gipson, Gerald (10%)
Use of GIS and ancillary variables to predict volatile organic compound and nitrogen dioxide levels at unmonitored locations	Dr. Mukerjee, Shaibal (25%) Dr. Gonzales, Melissa (15%) Dr. Neas, Lucas (10%) Dr. Norris, Gary (10%) Dr. Ozkaynak, Haluk (5%) Dr. Smith, Luther (20% Non-EPA) Dr. Stallings, Casson (15% Non-EPA)
Relative congener scaling of polychlorinated dibenzo-p- dioxins and dibenzofurans to estimate building fire contributions in air, surface wipes, and dust samples	Dr. Pleil, Joachim D. (60%) Dr. Lorber, Matthew N. (40%)
Modeling the effect of chlorine emissions on ozone levels over the eastern United States	Dr. Sarwar, Golam (75%) Bhave, Prakash (25%)
Zero-Valent Iron Reactive Materials for Hazardous Waste and Inorganics Removal: Chapter 8. Utilization of Zero- valent Iron for Arsenic Removal from Groundwater and Wastewater	Dr. Su, Chunming (100%)

- (1) Removal of added nitrate in cotton burr compost, mulch compost, and peal: Mechanisms and potential use for groundwater nitrate remediation Dr. Su, Chunming (75%)
Dr. Puls, Robert W. (25%)
- (2) Removal of added nitrate in the single, binary, and ternary systems of cotton burr compost, zerovalent iron, and sediment: Implications for groundwater nitrate remediation using permeable reactive barriers
- (1) Preparation of Novel Metallic and Bimetallic Cross-Linked Poly (vinyl alcohol) Nanocomposites Under Microwave Irradiation Dr. Varma, Rajender S. (50%)
Dr. Nadagouda, Mallikarjuna N. (50% Non-EPA)
- (2) Microwave-Assisted Synthesis of Crosslinked Poly (vinyl alcohol) Nanocomposites Comprising Single-Walled Carbon Nanotubes, Multi-Walled Carbon Nanotubes, and Buckminsterfullerene
- (1) Analysis of Perfluorinated Carboxylic Acids in Soils: Detection and Quantitation Issues at Low Concentrations Dr. Washington, John W. (80%)
Mrs. Ellington, J. Jackson (12%)
- (2) Analysis of Perfluorinated Carboxylic Acids in Soils II: Optimization of Chromatography and Extraction Dr. Henderson, W. Matthew (3%)
Dr. Jenkins, Thomas M. (3% Non-EPA)
Dr. Evans, John J. (2% Non-EPA)
- Temporal Moisture Content Variability Beneath and External to a Building and the Potential Effects on Vapor Intrusion Risk Assessment Dr. Weaver, James W. (50%)
Dr. Tillman, Fred D. (50% Non-EPA)
- Production of Hydrated Electrons from Photoionization of Dissolved Organic Matter in Natural Waters Dr. Zepp, Richard G. (50%)
Dr. Wang, Wei (20% Non-EPA)
Dr. Zafiriou, Oliver C. (15% Non-EPA)
Dr. Blough, Neil V. (10% Non-EPA)
Dr. Chan, Iu-Yam (5% Non-EPA)
- Formation of Pb(IV) Oxides in Chlorinated Water Dr. Lytle, Darren A. (65%)
Dr. Schock, Michael R. (35%)

Attachment 5

----- Forwarded by Vivian Turner/DC/USEPA/US on 01/07/2009 10:37 PM -----

"Theis, Thomas"
<theist@uic.edu>

01/07/2009 09:28 PM

To Vivian Turner/DC/USEPA/US@EPA

cc

Subje Re: STAA 08 Minutes - The final DFO & Chair activity
ct for both of us

Vivian,

The minutes look fine. I approve. Thank you again for your exemplary assistance in this matter.

Best,

Tom Theis

On Wed, January 7, 2009 5:01 pm, Turner.Vivian@epamail.epa.gov wrote:

>
> Hello Dr. Theis,
>
> Please review and let me know if you concur with these minutes. These
> minutes follow the same format as used previously for 2007 and 2006.
>
>
> (See attached file: STAA 2008 Minutes (needs concurrence).doc)
>
>
> Vivian A.Turner
> Environmental Scientist/Designated Federal Officer
> Science Advisory Board Staff