

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

Final Minutes of the Closed Meeting on August 13-15, 2007

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: August 13-15, 2007 (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: 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. 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. By the end of the 2.5 day meeting, the Committee Members provided the DFO with their individual personal notes from their reviews for the FACA files.

At the start of the meeting, the Committee under the guidance of the Chair, discussed each paper (following the order as listed on the nomination table (see Attachment 4) 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.

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 this year's. 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.

The Committee agreed that of the nominations, 60 papers were worthy of awards and another 45 papers were deserving of honorable mention. Of the papers recommended for awards, the Committee agreed upon five papers for the highest award of Level I, nineteen papers for Level II awards, and thirty six papers for Level III awards. It should be noted that two papers were linked together to receive one of the Level II awards and three papers were linked together to receive one of the Level III awards. This action was based on recognizing the significance of the body of work as a whole.

For clarification on the exact number of papers nominated for review, it should also be noted that the Committee reviewed a total of 140 papers instead of 142, as two sets of papers were determined to be duplicates.

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.

Respectfully Submitted:

Certified as True:

/Signed/

/Signed/

Ms. Vivian Turner
Designated Federal Official
Scientific and Technological
Achievement Award Committee (STAA)

Dr. Thomas Theis, Chair

Dated October 15, 2007

Attachments:

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

Attachment 1

**Science Advisory Board
STAA 2007 Committee Meeting (Closed to Public)**

**Agenda
Monday-Wednesday, August 13 -15, 2007
Woodies Building
1025 F Street, NW, Suite 3700
Washington, DC
Phone: 202-343-9999 (SAB's main #)**

Monday, August 13, 2007

Prior to Starting	Collection of any ratings not previously submitted. Completion of summary table. Copying	Ms. Vivian Turner, <i>DFO for STAA SAB Staff Office</i>
8:30 am	Convene the Meeting and Opening Remarks	Ms. Turner
	Welcome	Dr. Vanessa Vu, <i>Director, SAB Staff Office</i>
	Introduction of Advisory Members	Dr. Thomas Theis, <i>Chair and Committee Members</i>
	Review of the Agenda Confirmation/Correction of Ranking Tables 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)	Dr. Thomas Theis, <i>Chair Committee Members</i>
12 noon to 1:00 pm	Lunch	
1:00 pm	Continue Screening of "Recommended Nominations" into Categories (I, II, III or Honorable Mention)	Chair and Members
	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*

Tuesday, August 14, 2007

8:30 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 Dr. Theis, *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 Ms. Turner

Wednesday, August 15, 2007

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

9:00 Committee will Review Process Portion of Letter Committee

10:00 Last run-through of Recommendations for Awards Committee
Report Preparation

11:30-12:30 Lunch

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

1:00 pm Meeting Adjourns Ms. Turner

Attachment 2

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

CHAIR

Dr. Thomas L. Theis, 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. Dale Hattis, Clark University, Worcester, MA

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

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

Dr. Igor Linkov, INTERTOX, Inc., Brookline, MA

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

SCIENCE ADVISORY BOARD STAFF

Ms. Vivian Turner, Designated Federal Officer, 1200 Pennsylvania Avenue, NW
1400F, Washington, DC, Phone: 202-343-9697, Fax: 202-233-0643,
(turner.vivian@epa.gov)

Attachment 3

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

[Federal Register: June 11, 2007 (Volume 72, Number
111)]
[Notices]
[Page 32098]
From the Federal Register Online via GPO Access
[wais.access.gpo.gov]
[DOCID:fr11jn07-46]

ENVIRONMENTAL PROTECTION AGENCY
[FRL-8326-6]

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

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 2007
Scientific and Technological Achievement Awards.

DATES: The meeting dates are Monday and Tuesday,
August 13 and 14, 2007
from 8:30 a.m. to 5 p.m. and Wednesday, August 15,
2007, 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, 1025 F
Street NW., Suite
3700, 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. Environmental
Protection Agency,
Science Advisory Board (1400F), 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/panels/staarp.htm>.

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 2007 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 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: June 5, 2007.
Stephen L. Johnson,
Administrator.
[FR Doc. 07-2898 Filed 6-7-07; 1:13 pm]
BILLING CODE 6560-50-P

Attachment 4

List of Nominations for STAA 2007 Awards

	Title of Publication	Authors
S7CS000 1	Investigation of Selective Catalytic Reduction Impact on Mercury Speciation Under Simulated NOx Emission Control Conditions	Dr. Lee, Chun W. (40%) Dr. Srivastava, Ravi K. (20%) Dr. Ghorishi, S. Behrooz (25% Non-EPA) Dr. Hastings, Thomas W. (10% Non-EPA) Dr. Stevens, Frank M. (5% Non-EPA)
S7CS000 2	Destruction of Spores on Building Decontamination Residue in a Commercial Autoclave	Dr. Lemieux, Paul (50%) Dr. Sieber, Roy (20% Non-EPA) Dr. Osborne, Aaron (20% Non-EPA) Dr. Woodard, Alan (10% Non-EPA)
S7CS000 3	(1) Tetrahaloindate(III) -Based Ionic Liquids in the Coupling Reaction of Carbon Dioxide and Epoxides to Generate Cyclic Carbonates: H-Bonding and Mechanistic Studies (2) Microwave-Assisted Preparation of 1-Butyl-3-Methylimidazolium Tetrachlorogallate and its Catalytic use in Acetal Formation Under Mild Conditions	Dr. Varma, Rajender S. (50%) Dr. Kim, Yong Jin (50% Non-EPA)
S7CS000 4	(1) Aqueous N-Alkylation of Amines using Alkyl Halides: Direct Synthesis of Tertiary Amines Under Microwave Irradiation (2) An Efficient and Simple Aqueous N-Heterocyclization of Aniline Derivatives: Microwave-Assisted Synthesis of N-Aryl Azacycloalkanes (3) Microwave-Assisted Cyclocondensation of Hydrazine Derivatives with Alkyl Dihalides or Ditosylated in Aqueous Media: Syntheses of Pyrazole, Pyrazolidine, and Phthalazine Derivatives	Dr. Varma, Rajender S. (50%) Dr. Ju, Yuhong (50% Non-EPA)
S7CS0002	Destruction of Spores on Building Decontamination Residue in a Commercial Autoclave	Dr. Lemieux, Paul (50%) Dr. Sieber, Roy (20% Non-EPA) Dr. Osborne, Aaron (20% Non-EPA)

		Dr. Woodard, Alan (10% Non-EPA)
S7CS0003	(1) Tetrahaloindate(III) -Based Ionic Liquids in the Coupling Reaction of Carbon Dioxide and Epoxides to Generate Cyclic Carbonates: H-Bonding and Mechanistic Studies	Dr. Varma, Rajender S. (50%) Dr. Kim, Yong Jin (50% Non-EPA)
	(2) Microwave-Assisted Preparation of 1-Butyl-3-Methylimidazolium Tetrachlorogallate and its Catalytic use in Acetal Formation Under Mild Conditions	
S7CS0004	(1) Aqueous N-Alkylation of Amines using Alkyl Halides: Direct Synthesis of Tertiary Amines Under Microwave Irradiation	Dr. Varma, Rajender S. (50%) Dr. Ju, Yuhong (50% Non-EPA)
	(2) An Efficient and Simple Aqueous N-Heterocyclization of Aniline Derivatives: Microwave-Assisted Synthesis of N-Aryl Azacycloalkanes	
	(3) Microwave-Assisted Cyclocondensation of Hydrazine Derivatives with Alkyl Dihalides or Ditosylated in Aqueous Media: Syntheses of Pyrazole, Pyrazolidine, and Phthalazine Derivatives	
S7CS0005	Control of Mercury Emissions from Coal-Fired Electric Utility Boilers	Dr. Srivastava, Ravi K. (35%) Dr. Hutson, Nick D. (25%) Dr. Princiotta, Frank T. (20%) Dr. Martin, G. Blair (10%) Dr. Staudt, James E. (10% Non-EPA)
S7CS0006	Characterizing Pipe Wall Demand: Implications for Water Quality Modeling	Dr. Haught, Roy C. (50%) Dr. Clark, Robert M. (50%)
S7EF0007	(1) Chemical Structure Indexing of Toxicity Data on the Internet: Moving towards a Flat World	Dr. Richard, Ann M. (80%) Dr. Gold, Lois S. (10% Non-EPA)
	(2) Future of Predictive Toxicology: An Expanded View of "Chemical Toxicity"	Dr. Nicklaus, Marc C. (10% Non-EPA)
S7EF0008	Titanium Dioxide (P25) Produces Reactive Oxygen Species in Immortalized Brain Microglia (BV2): Implications for Nanoparticle Neurotoxicity	Dr. Veronesi, Bellina (50%) Dr. Long, TC (25% Non-EPA) Dr. Lowry, Gregory V. (25% Non-EPA)

S7EF0009	The ToxCast Program for Prioritizing Toxicity Testing of Environmental Chemicals	Dr. Dix, David (30%)
		Dr. Houck, Keith (20%)
		Dr. Kavlock, Robert (20%)
		Dr. Martin, Matthew (10%)
		Dr. Richard, Ann (10%)
		Dr. Setzer, R. Woodrow (10%)
S7EF0010	Improving National Air Quality Forecasts with Satellite Aerosol Observations	Dr. Szykman, James (25%)
		Dr. Weinstock, Lewis (16%)
		Dr. Wayland, Richard (5%)
		Dr. Dimmick, Fred (5%)
		Dr. Al-Saadi, Jassim (25% Non-EPA)
		Dr. Pierce, R. Bradley (5% Non-EPA)
		Dr. Kittaka, Chieko (5% Non-EPA)
		Dr. Neil, Doreen (2% Non-EPA)
		Dr. Chu, Allen (2% Non-EPA)
		Dr. Remer, Lorraine (2% Non-EPA)
		Dr. Gumley, Liam (2% Non-EPA)
		Dr. Prins, Elaine (2% Non-EPA)
		Dr. MacDonald, Clinton (2% Non-EPA)
		Dr. Fishman, Jack (2% Non-EPA)
S7EF0101	Assaying Particle-Bound Polycyclic Aromatic Hydrocarbons from Archived PM2.5 Filters	Dr. Pleil, Joachim D. (60%)
		Dr. Vette, Alan F. (20%)
		Dr. Rapaport, Stephen M. (20% Non-EPA)

S7ER0011	<p>(1) Mechanistic Basis for Estrogenic Effects in Fathead Minnow (<i>Pimephales Promelas</i>) Following Exposure to the Androgen 17α-methyltestosterone: Conversion of 17α-Methyltestosterone to 17α-Methylestradiol</p> <p>(2) Effects of Two Fungicides With Multiple Modes of Action on Reproductive Endocrine Function in the Fathead Minnow. (<i>Pimephales Promelas</i>)</p>	<p>Dr. Ankley, Gerald T. (12%)</p> <p>Dr. Jensen, Kathleen M. (10%)</p> <p>Dr. Kahl, Michael D. (10%)</p> <p>Dr. Durhan, Elizabeth J. (10%)</p> <p>Dr. Hornung, Michael W. (8%)</p> <p>Dr. Denny, Jeffrey S. (5%)</p> <p>Dr. Tala, Henry R. (5%)</p> <p>Dr. Korte, Joseph J. (5%)</p> <p>Makynen, Elizabeth A. (5%)</p> <p>Butterworth, Brian C. (5%)</p> <p>Dr. Villeneuve, Daniel L. (5%)</p> <p>Dr. Gray, L. Earl (5%)</p> <p>Dr. Cardon, Mary C. (5%)</p> <p>Dr. Wilson, Vickie S. (5%)</p> <p>Dr. Linnun, Ann L. (5% Non-EPA)</p>
S7ER0012	Sediment Microbial Enzyme Activity as an Indicator of Nutrient Limitation in Great Lakes Coastal Wetlands	<p>Dr. Hill, Brian H. (50%)</p> <p>Dr. Elonen, Colleen M. (20%)</p> <p>Dr. Jicha, Terri M. (10%)</p> <p>Dr. Trebitz, Anett S. (10%)</p> <p>Dr. Cotter, Anne M. (5%)</p> <p>Dr. Danz, Nick P. (5% Non-EPA)</p>
S7ER0013	Biogenic Volatile Organic Compound Emissions from Desert Vegetation of the Southwestern U.S.	<p>Dr. Geron, Chris D. (80%)</p> <p>Dr. Guenther, Alex (10% Non-EPA)</p> <p>Dr. Greenberg, Jim (5% Non-EPA)</p> <p>Dr. Karl, Thomas (3% Non-EPA)</p> <p>Dr. Rasmussen, Rei (2% Non-EPA)</p>
S7ER0014	Availability of Clupeid Prey to Primary Piscivores in Smith Mountain Lake, Virginia	<p>Dr. Cyterski, Michael (80%)</p> <p>Dr. Ney, John (20% Non-EPA)</p>

S7ER0015	Does Soil CO2 Efflux Acclimatize to Elevated Temperature and CO2 During Long Term Treatment of Douglas-Fir Seedlings	Dr. Tingey, David T. (30%)
		Dr. Lee, E. Henry (25%)
		Dr. Waschmann, Ronald S. (15%)
		Dr. Johnson, Mark G. (15%)
		Dr. Rygiewicz, Paul T. (15%)
S7ER0016	Effects of Eutrophication on Vitellogenin Gene Expression in Male Fathead Minnows (<i>Pimephales Promelas</i>) Exposed to 17 α -Ethinylestradiol in Field Mesocosms	Dr. Gordon, M.S., Denise A. (22%)
		Dr. Toth, Ph.D., Gregory P. (18%)
		Dr. Lattier, Ph.D., David L. (18%)
		Dr. Lazorchak, Ph.D., James M. (16%)
		Dr. Reddy, Ph.D., Tirumuru V. (12%)
		Dr. Graham, David W. (10% Non-EPA)
		Dr. DeNoyelles, Jr., Frank J. (2% Non-EPA)
		Campbell, Scott (2% Non-EPA)
		Dr. Knapp, Charles W. (0% Non-EPA)
S7ER0017	Identification of Metabolites of Trenbolone Acetate in Androgenic Runoff from a Beef Feedlot	Dr. Durhan, Elizabeth J. (20%)
		Dr. Jensen, Kathleen M. (20%)
		Dr. Makynen, Elizabeth A. (15%)
		Dr. Lambright, Christy C. (10%)
		Dr. Gray, L. Earl (5%)
		Dr. Hartig, Phillip C. (5%)
		Dr. Kahl, Michael D. (5%)
		Dr. Lazorchak, James M. (5%)
		Dr. Wilson, Vickie S. (5%)
S7ER0018	Hydraulic Redistribution in a Douglas-Fir Forest: Lessons from System Manipulations	Dr. Brooks, Renee J. (50%)
		Dr. Meinzer, Fredrick C. (15% Non-EPA)
		Dr. Warren, Jeff (15% Non-EPA)
		Dr. Domec, Jean-Christophe (10% Non-EPA)

		Dr. Coulombe, Rob (10% Non-EPA)
S7ER0019	Establishment of Transgenic Herbicide-Resistant Creeping Bentgrass (<i>Agrostis Stolonifera</i> L.) in Nonagronomic Habitats	Dr. Reichman, Jay R. (30%) Dr. Watrud, Lidia S. (25%) Dr. Lee, Henry E. (10%) Dr. Burdick, Connie A. (10%) Dr. Bollman, Mike A. (10% Non-EPA) Dr. Storm, Marjorie J. (5% Non-EPA) Dr. King, George A. (5% Non-EPA) Dr. Mallory-Smith, Carol (5% Non-EPA)
S7ER0020	Status of the Amphipod <i>Diporeia</i> spp. In Lake Superior, 1994-2000	Dr. Scharold, Jill V. (60%) Dr. Lozano, Stephen J. (20%) Dr. Corry, Timothy D. (20%)
S7ER0021	Use of Powdered Coconut Charcoal as a Toxicity Identification and Evaluation Manipulation for Organic Toxicants in Marine Sediments	Dr. Ho, Kay (25%) Dr. Burgess, Robert (20%) Dr. Pelletier, Marguerite (15%) Dr. Serbst, Jonathan (5%) Dr. Cantwell, Mark (5%) Dr. Ryba, Stephen (5%) Dr. Perron, Monique (5% Non-EPA) Dr. Cook, Howard (5% Non-EPA) Dr. Lebo, John (5% Non-EPA) Dr. Huckins, James (5% Non-EPA) Dr. Petty, Jim (5% Non-EPA)

S7ER0022	Method for Testing the Aquatic Toxicity of Sediment Extracts for use in Identifying Organic Toxicants in Sediments	Dr. Heinis, Larry J. (40%) Dr. Highland, Terry L. (30%) Dr. Mount, David R. (30%)
S7ER0023	Biota-Sediment Accumulation Factors for Polychlorinated Biphenyls, Dibenzo-p-dioxins, and Dibenzofurans in Southern Lake Michigan Lake Trout (<i>Salvelinus Namaycush</i>)	Dr. Lukasewycz, Marta T. (34%) Dr. Burkhard, Lawrence P. (33%) Dr. Cook, Phillip M. (33%)
S7ER0024	(1) Comparison of Biota-Sediment Accumulation Factors Across Ecosystems (2) A Hybrid Empirical-Mechanistic Modeling Approach for Extrapolating BSAFs and BAFs Across Species, Time and/or Ecosystems.	Dr. Lukasewycz, Marta T. (34%) Dr. Burkhard, Lawrence P. (33%) Dr. Cook, Phillip M. (33%)
S7ER0025 (Duplicate of submission S7ER0138)	(1) Elevated CO2 and Elevated Temperature have no Effect on Douglas-Fir Fine-Root Dynamics in Nitrogen-Poor Soil (2) Estimates of Douglas-Fir Fine Root Production and Mortality from Minirhizotrons. (3) Effects of Elevated CO2 on Fine Root Dynamics in a Mojave Desert Community: A Face Study	Dr. Johnson, Mark G. (20%) Dr. Tingey, David T. (20%) Dr. Phillips, Donald L. (20%) Dr. Rygiewicz, Paul T. (15%) Dr. Beedlow, Peter A. (5%) Dr. Hogsett, William E. (5%) Dr. Catricala, Christina (5% Non-EPA) Dr. Hoyman, Toni L. (5% Non-EPA) Dr. Nowak, Robert S. (5% Non-EPA)
S7ER0026	Relationships Among Exceedences of Metals Criteria, the Results of Ambient Bioassays, and Community Metrics in Mining Impacted Streams	Dr. Griffith, Michael B. (70%) Dr. Lazorchak, James M. (20%) Dr. Alan . Herlihy, Alan T. (10% Non-EPA)
S7ER0027	(1) Benthic Versus Planktonic Foundations of Three Lake Superior Coastal Wetland Food Webs (2) Hydrology and Nutrient Effects on Food-Web Structure in Ten Lake Superior Coastal Wetlands.	Dr. Sierszen, Michael E. (40%) Dr. Peterson, Gregory S. (10%) Dr. Trebitz, Anett S. (10%) Dr. Moffett, Mary F. (10%) Dr. Morrice, John A. (10%) Dr. West, Corlis W. (10%)

		Dr. Brazner, John C. (10%)
S7ER0028	Coho Salmon Dependence on Intermittent Streams	Dr. Wigington Jr., Parker J. (33%) Dr. Ebersole, Joseph L. (20%) Dr. Leibowitz, Scott G. (5%) Dr. White, Denis (3%) Dr. Baker, Joan P. (3%) Dr. Church, M. Robbins (3%) Dr. Brooks, Renee J. (3%) Dr. Cairns, Michael A. (3%) Dr. Compton, Jana E. (3%) Dr. Colvin, Michael E. (15% Non-EPA) Dr. Miller, Bruce (3% Non-EPA) Dr. Hansen, Bruce (3% Non-EPA)
S7ER0030	Amplification of Ribosomal RNA Sequences	Dr. Devereux, Richard (50%) Dr. Vickery, Sherry S. (50%)
S7ER0031	Nitrogen Isotope Ratios in Estuarine Biota Collected along a Nutrient Gradient in Narragansett Bay, Rhode Island, USA	Dr. Pruell, Richard (45%) Dr. Taplin, Bryan (45%) Dr. Lake, Jim (5%) Dr. Jayaraman, Saro (5%)
S7ER0032	(1) Uptake and Elimination of Ionizable Organic Chemicals at Fish Gills:I. Model Formulation, Parameterization, and Behavior (2) Uptake and Elimination of Ionizable Organic Chemicals at Fish Gills:II. Observed and Predicted Effects of pH, Alkalinity, and Chemical Properties.	Dr. Erickson, Russell J. (20%) Dr. McKim, James M. (20%) Dr. Lien, Gregory J. (20%) Dr. Hoffman, Alex D. (20%) Dr. Batterman, Shane L. (20%)

S7ER0033	Individual Effects of Estrogens on a Marine Fish, Cunner (<i>Tautogolabrus Adspersus</i>), Extrapolated to the Population	Dr. Gutjahr-Gobell, Ruth (45%)
		Dr. Mills, Lesley (25%)
		Dr. Zarrogian, Jerry (10%)
		Dr. Horowitz, Dodi Borsay (10%)
		Dr. Gleason, Timoth (10%)
S7ER0034	(1) Application of Elasticity Analyses and Perturbation Simulations in Determining Stressor Impacts on Population Growth Rate and Extinction Risk	Dr. Raimondo, Sandy (60%)
	(2) From Individuals to Populations: Modeling Toxicity Data Across Two Levels of Biological Organization	Dr. Mckenney Jr., Charles L. (20%)
		Dr. Barron, Mace G. (20%)
S7ER0035	Comparison of the Lethal and Sublethal Toxicity of Organic Chemical Mixtures to the Fathead Minnow (<i>Pimephales Promelas</i>)	Dr. Broderius, Steven J. (35%)
		Dr. Kahl, Michael D. (30%)
		Dr. Hoglund, Marilyn D. (20%)
		Dr. Hammermeister, Dean E. (10%)
		Dr. Elonen, Gregory E. (5%)
S7ER0036	Inter-Habitat Variation in the Benthos of the Upper Missouri River (North Dakota, USA): Implications for Great River Bioassessment	Dr. Angradi, Ted R. (80%)
		Dr. Schweiger, William E. (10%)
		Dr. Bolgrien, David W. (10%)
S7ER0138 (Duplicate of submission S7ER0025)	(1) Elevated CO ₂ and Elevated Temperature Have no Effect on Douglas-Fir Fine-Root Dynamics in Nitrogen Poor Soil	Dr. Johnson, Mark G. (20%)
	(2) Estimates of Douglas-Fir Fine Root Production and Mortality from Minirhizotrons	Dr. Tingey, David T. (20%)
	(3) Effects of Elevated CO ₂ on Fine Root Dynamics in a Mojave Desert Community: A FACE Study	Dr. Phillips, Donald L. (20%)
		Dr. Rygiewicz, Paul T. (15%)
		Dr. Beedlow, Peter A. (5%)
		Dr. Hogsett, William E. (5%)
		Caticala, Christina (5% Non-EPA)
		Dr. Hoyman, Toni L. (5% Non-EPA)
		Dr. Nowak, Robert S. (5% Non-EPA)

S7ER0141	Linking Land Cover and Water Quality in New York City's Water Supply Watersheds.	Dr. Mehaffey, Megan (30%) Dr. Nash, Maliha (20%) Dr. Wade, Timothy (20%) Dr. Ebert, Donald (10%) Dr. Jones, Bruce K. (10%) Dr. Rager, Audrey (10% Non-EPA)
S7ES0037	Ultra Low Sulfur Diesel (ULSD) Sulfur Test Method Variability: A Statistical Analysis of Reproducibility from the 2005 US EPA ULSD Round-Robin Test Program	Dr. Laroo, Christopher A. (50%) Dr. Mason, Robert L. (25% Non-EPA) Dr. Buckingham, Janet P. (25% Non-EPA)
S7ES0038	Evaluating Predictive Errors of a Complex Environmental Model using a General Linear Model and Least Square Means	Dr. Knightes, Christopher D. (60%) Dr. Cyterski, Michael J. (40%)
S7ES0039	(1) Including Transition Probabilities in Nest Survival Estimation: A Mayfield Markov Chain (2) The Effects of Uncertainty about Age at Transition on Bias in the Mayfield Family of Estimators	Dr. Etterson, Matthew A. (75%) Dr. Bennett, Richard S. (25%)
S7ES0142	(1) Identification and Predication of Fish Assemblages in Streams of the Mid-Atlantic Highlands, USA (2) Predictive Habitat Models for the Occurrence of Stream Fishes in the Mid-Atlantic Highlands	Dr. Cyterski, Micheal J. (30%) Dr. Rashleigh, Brenda (25%) Dr. Parmar, Rajbir S. (15%) Dr. Johnston, John M. (15%) Dr. Barber, M. Graig (15%)
S7HE0040	(1) Disruption of Iron Homeostasis as a Mechanism of Biologic Effect by Ambient Air Pollution Particles (2) DMT1 Decreases Metal-Related Injury in the Lung (3) TNF, IFN-Gamma, and Endotoxin Increase Expression of DMT1 in Bronchial Epithelial Cells	Dr. Ghio, Andrew J. (25%) Dr. Dailey, Lisa A. (25%) Dr. Stonehuerner, Jackie (25%) Dr. Madden, Michael (25%)

S7HE0041	Detection of Androgenic Activity in Emissions From Diesel Fuel and Biomass Combustion	Dr. Owens, Jr., Clyde V. (40%)
		Dr. Wilson, Vickie S. (40%)
		Dr. Lambright, Christy (5%)
		Dr. Cardon, Mary (5%)
		Dr. Gray, Jr., L. Gray (5%)
		Dr. Gullett, Brian K. (5%)
S7HE0042	(1) Gene Expression Patterns Associated With Infertility in Humans and Rodent Models	Dr. Dix, David (13%)
	(2) Reproductive and Genomic Effects in testes From Mice Exposed to the Water Disinfectant Byproduct Bromochloroacetic Acid	Dr. Rockett, John C. (13%)
	(3) Gene Expression Profiling in Liver and Testis of Rats to Characterize the Toxicity of Triazole Fungicides	Dr. Schmid, Judith E. (13%)
		Dr. Tully, Douglas B. (13%)
		Dr. Luft, J. Christopher (7%)
		Dr. Ren, Hongzu (7%)
		Dr. Wood, Carmen R. (7%)
		Dr. Bao, Wenjun (3%)
		Dr. Strader, Lillian F. (3%)
		Dr. Best, Deborah S. (3%)
		Dr. Narotsky, Michael G. (3%)
		Dr. Wolf, Douglas C. (3%)
		Dr. Patrizio, Pasquale (3% Non-EPA)
		Dr. Hecht, Norman B. (3% Non-EPA)
		Dr. Blystone, Chad (3% Non-EPA)
		Dr. Goetz, Amber (3% Non-EPA)
S7HE0043	Mortality From Ischemic Heart Disease and Diabetes Mellitus (Type 2) in Four U.S. Wheat-Producing States: A Hypothesis Generating Study	Dr. Schreinemachers, Dina M. (100%)
S7HE0044	Acute Health Reference Values: Overview, Perspective, and Current Forecast of Needs	Dr. Woodall, Jr., George M. (100%)
S7HE0045	Framework for Evaluation of Physiologically Based Pharmacokinetic Models for Use in Safety or Risk Assessment	Dr. Harris, Leona (34%)
		Dr. Barton, Hugh A. (33%)

		Dr. Setzer, R. Woodrow (33%)
S7HE0046	(1) The Acquisition and Application of Absorption, Distribution, Metabolism, and Excretion (ADME) Data in Agricultural Chemical Safety Assessments	Dr. Cooper, Ralph (5%) Dr. Barton, Hugh (5%)
	(2) A Tiered Approach to Systemic Toxicity Testing for Agricultural Chemical Safety Assessment	Dr. Wolf, Douglas (5%) Dr. Dellarco, Vicki L. (5%)
	(3) A Tiered Approach to Life Stages Testing for Agricultural Chemical Safety Assessment	Dr. Phang, Whang (5%) Dr. Makris, Susan (5%) Dr. Diliberto, Janet (5%) Dr. Padilla, Stephanie (5%) Dr. Whitby, Karen (5%) Dr. Baetcke, Karl (5%) Dr. Kimmel, Carole (5%)
S7HE0047	Overview of Studies Under Consideration for the Development of an IRIS Assessment	Dr. Pagan, Ines (100%)
S7HE0048	(1) Toxicokinetics of BDE 47 in Female Mice: Effect of Dose, Route of Exposure, and Time	Dr. Birnbaum, Linda S. (30%) Dr. Diliberto, Janet J. (25%)
	(2) Impact of Repeated Exposure on the Toxicokinetics of BDE 47 in Mice	Dr. DeVito, Michael J. (5%)
	(3) Disposition of BDE 47 in Developing Mice	Dr. Staskal, Daniele S. (40% Non-EPA)
S7HE0049	Evaluating the Relationship Between Variance in Enzyme Expression and Toxicant Concentration in Health Risk Assessment	Dr. Lipscomb, John C. (100%)
S7HE0050	(1) An Approach for Developing a National Estimate of Waterborne Disease Due to Drinking Water and a National Estimate Model Application	Dr. Messner, Michael Shaw, Susan Regli, Stig Rotert, Kenneth
	(2) Estimates of Endemic Waterborne Risks From Community-Intervention Studies	Blank, Valerie Soller, Jeff
	(3) The Role of Disease Burden in Future Estimates of Endemic Waterborne Disease	

S7HE0051	Air Contaminant Exposures During the Operation of Lawn and Garden Equipment	Dr. Baldauf, Richard (51%)
		Dr. Weinstein, Jason (40%)
		Dr. Fortune, Christopher (3% Non-EPA)
		Dr. Wheeler, Michael (3% Non-EPA)
		Dr. Blanchard, Fred (3% Non-EPA)
S7HE0052	Criteria and Air-Toxic Emissions From In-Use Automobiles in the National Low-Emission Vehicle Program	Dr. Gabele, Pete (40%)
		Dr. Baldauf, Richard (35%)
		Dr. Cook, Richard (15%)
		Dr. Crews, William (5% Non-EPA)
		Dr. Snow, Richard (5% Non-EPA)
S7HE0053	(1) Continuous Weeklong Measurements of Personal Exposures and Indoor Concentrations of Fine Particles for 37 Health-Impaired North Carolina Residents for up to Four Seasons	Dr. Williams, Ron (35%)
	(2) Use of Personal-Indoor-Outdoor Sulfur Concentrations to Estimate the Infiltration Factor and Outdoor Exposure Factor for Individual Homes and Persons	Dr. Wallace, Lance (35%)
	(3) Validation of a Method for Estimating Long-Term Exposures Based on Short-Term Measurements	Dr. Croghan, Carry (15%)
		Dr. Rea, Anne (15%)
S7HE0054	(1) Identification and Characterization of Novel Stable Deoxyguanosine and Deoxyadenosine Adducts of Benzo(a)pyrene-7,8-Quinone from Reactions at Physiological pH	Dr. Padgett, William T. (27%)
		Dr. Nesnow, Stephen (22%)
	(2) Benzo(a)pyrene-7,8-Quinone-3' - Mononucleotide Adduct Standards for 32P Postlabeling Analyses: Detection of Benzo(a)pyrene-7,8Quinone-Calf Thymus DNA Adducts	Dr. Nelson, Garret B. (12%)
		Dr. Lambert, Guy R. (5%)
		Dr. Richard, Ann M. (2%)
		Dr. Ross, Jeffrey A. (2%)
		Dr. Swank, Adam (2%)
		Dr. Balu, Narayanan (28% Non-EPA)

S7HE0055	(1) Transcriptional Profiles in Liver From Mice Treated with Hepatotumorigenic and Nonhepatotumorigenic Triazole Conazole Fungicides: Propiconazole, Triadimefon, and Myclobutanil	Dr. Nesnow, Stephen (12%)
		Dr. Allen, James W. (8%)
		Dr. Delker, Don (8%)
	(2) Transcriptional Profiles in Liver From Rats Treated with Tumorigenic and Non-Tumorigenic Triazole Conazole Fungicides: Propiconazole, Triadimefon, and Myclobutanil	Dr. Hester, Susan D. (8%)
		Dr. Thai, Sheau-Fung (8%)
		Dr. Ward, Ward O. (8%)
	(3) Toxicity Profiles in Mice Treated with Hepatotumorigenic and Non-Hepatotumorigenic Triazole Conazole Fungicides: Propiconazole, Triadimefon, and Myclobutanil	Dr. Wolf, Douglas (8%)
		Dr. George, Michael H. (5%)
		Dr. Jones, Carlton (5%)
		Dr. Moore, Tanya (5%)
		Dr. Nelson, Gail (5%)
		Dr. Roop, Barbara (5%)
		Dr. Sun, Guobin (5%)
		Dr. Winkfield, Ernest (5%)
S7HE0056	(1) Exposure Parameters Necessary for Delayed Puberty and Mammary Gland Development in Long-Evans Rats Exposed In Utero to Atrazine	Dr. Fenton, Suzanne E. (55%)
		Dr. Stanko, Jason P. (10%)
	(2) Adverse Effects of Prenatal Exposure to Atrazine During a Critical Period of Mammary Gland Growth	Dr. Wood, Carmen (10%)
		Dr. Youngblood, Geri L. (5%)
	(3) Mammary Gland Development as a Sensitive End-Point Following Acute Prenatal Exposure to a Low Dose Atrazine Metabolite Mixture in Femal Long Evans Rats	Dr. Rayner, Jennifer L. (10% Non-EPA)
		Dr. Geiner, Sara N. (5% Non-EPA)
		Dr. Enoch, Rolondo R. (5% Non-EPA)
S7HE0057	Measuring Cholinesterase Activity in Human Saliva	Dr. McMaster, Suzanne B. (30%)
		Dr. Padilla, Stephanie J. (30%)
		Dr. Henn, Birgit C. (40% Non-EPA)

S7HE0058	Mini-Monograph: Risk Assessment/ Issues in TCE Risk Assessment (Contains 5 Articles)	Dr. Chiu, Weihsueh A. (30%)
		Dr. Calwell, Jane C. (25%)
		Dr. Scott, Cheryl S. (20%)
		Dr. Keshava, Nagalakshmi (19%)
		Dr. Evans, Marina V. (2%)
		Dr. Okino, Miles S. (2%)
		Dr. Lipscomb, John C. (2%)
S7HE0059	Estimation of Ambient and Non-Ambient Components of Particulate Matter Exposure from a Personal Monitoring Panel Study	Dr. Wilson, William E. (90%)
		Dr. Brauer, Micahel (10% Non-EPA)
S7HE0145	(1) Use of Physiologically Based Pharmacokinetic Model for Rats to Study the Influence of Body Fat Mass and Induction of CYP1A2 on the Pharmacokinetics of TCDD	Dr. DeVito, Michael J. (35%)
	(2) Comparison of the Use of a Physiologically Based Pharmacokinetic Model and a Classical Pharmacokinetic Model for Dioxin Exposure Assessments	Dr. Birnbaum, Linda S. (20%)
	(3) Physiologically Based Pharmacokinetic Model for Development Exposures to TCDD in the Rat	Dr. Emond, Claud (40% Non-EPA)
		Dr. Michaleki, Joel (5% Non-EPA)
S7IR0060		Dr. Wellman, Marjorie (7% Non-EPA)
		Dr. Wharton, Steve (7% Non-EPA)
		Dr. Norton, Susan B. (7% Non-EPA)
		Dr. Fairbrother, Anne (7% Non-EPA)
S7IR0061	(1) Inhalation Exposure and Risk from Mobile Source Air Toxics in Future Years	Dr. Strum, Madeleine L. (25%)
	(2) Projection of Hazardous Air Pollutant Emissions to Future Years	Dr. Cook, James Richard (20%)
		Dr. Palma, Theodore (8%)
		Dr. Smith, Roy L. (3%)
		Dr. Pope, Anne A. (3%)
		Dr. Michaels, Harvey M. (3%)
		Dr. Shedd, Stephen A. (3%)
		Dr. Touma, Jawad S. (15% Non-EPA)

		Dr. Thurman, James A. (7% Non-EPA)
		Dr. Ensley, Darrell B. (7% Non-EPA)
		Dr. Mason, Richard A. (3% Non-EPA)
S7MM006 2	Development of an Astrovirus RT-PCR Detection Assay for use with Conventional, Real-Time, and Integrated Cell-Culture/RT-PCR	Dr. Grimm, Ann C. (50%) Dr. Cashdollar, Jennifer L. (35%) Dr. Fout, G. Shay (10%) Dr. Williams, Frederick P. (5%)
S7MM006 3	Variation of Microorganism Concentrations in Urban Stormwater Runoff with Land use and Seasons	Dr. Selvakumar, Ariamalar (50%) Dr. Borst, Michael (50%)
S7MM006 4	PCDD and PCDF Emissions from Simulated Sugarcane Field Burning	Dr. Gullett, Brian (75%) Dr. Touati, Abderrahmane (15% Non-EPA) Dr. Huwe, Janice (5% Non-EPA) Dr. Hakk, Heldur (5% Non-EPA)
S7MM006 5	(1) Calculation of Electron Affinities of Polycyclic Aromatic Hydrocarbons and Solvation Energies of their Radical Anions (2) Electron Affinities of Polynuclear Aromatic Hydrocarbons and Negative-Ion Chemical-Ionization Sensitivities	Dr. Betowski, Leon D. (32%) Dr. Enlow, Mark (15%) Dr. Riddick, Lee (3%) Dr. Aue, Donald H. (45% Non-EPA) Dr. Enlow, Mark (5% Non-EPA)
S7MM006 6	Development of Size Selective Sampling of Bacillus anthracis Surrogate Spores from Simulated Building Air Intake Mixtures for Analysis Via Laser Induced Breakdown Spectroscopy (LIBS)	Dr. Snyder, Emily (70%) Dr. Gullett, Brian (15%) Dr. Ryan, Shawn (5%) Dr. Touati, Abderrahmane (5% Non-EPA) Dr. Oudejans, Lukas (5% Non-EPA)

S7MM006 7	Detection of Human Enteric Viruses in Stream Water with RT-PCR and Cell Culture	Dr. Fout, G. Shay (30%) Dr. Dahling, Daniel R. (20%) Dr. Denis-Mize, Kimberly (30% Non-EPA) Dr. Francy, Donna S. (20% Non-EPA)
S7MM006 8	Method Development for the Analysis on N-Nitrosodimethylamine and Other N-Nitrosamines in Drinking Water at Low Nanogram/Liter Concentrations using Solid-Phase Extraction and Gas Chromatography Ionization Tandem Mass Spectrometry	Dr. Munch, Jean W. (75%) Dr. Bassett, Margarita V. (25%)
S7MM006 9	Characterization of the Fugitive Particulate Emissions from Construction Mud/Dirt Carryout	Dr. Kinsey, John S. (55%) Dr. Linna, Kara L. (15%) Dr. Squier, William C. (15%) Dr. Muleski, Gregory E. (10% Non-EPA) Dr. Cowherd, Jr., Chatten (5% Non-EPA)
S7MM007 0	Evaluating Cryptosporidium and Giardia Concentrations in Combined Sewer Overflow	Dr. Arnone, Russell D. (50%) Dr. Walling, Joyce M. (50%)
S7MM007 1	(1) Screening for Toxic Industrial Chemical using Semipermeable Membrane Devices with Rapid Toxicity Assays (2) A Fluorescence-Based Screening Assay for DNA Damage Induced by Genotoxic Industrial Chemicals	Dr. Rogers, Kim R. (75%) Dr. Harper, Stacey L. (10%) Dr. Robertson, Gary (5%) Dr. Kailasam, Srividya (10% Non-EPA)
S7MM007 2	Assessing Water Clarity as a Component of Water Quality in Gulf of Mexico Estuaries	Dr. Smith, Lisa M. (80%) Dr. Engle, Virginia D. (10%) Dr. Summers, J. Kevin (10%)
S7MM007 3	Evaluation of Bacteriological Indicators of Disinfection for Alkaline Treated Biosolids	Dr. Meckes, Mark C. (60%) Dr. Rhodes, Eric R. (40%)

S7MM007 4	(1) Evaluation of Short-Term Ogawa Passive Photolytic, and Federal Reference Method Sampling Devices for Nitrogen Oxides in El Paso and Houston, Texas	Dr. Sather, Mark E. (40%)
		Dr. Slonecker, E. Terrence (20%)
		Dr. Mathew, Johnson (15%)
	(2) Evaluation of Ogawa Passive Sampling Devices as an Alternative Measurement Method for the Nitrogen Dioxide Annual Standard in El Paso, Texas	Dr. Kronmiller, Keith G. (10% Non-EPA)
		Dr. Williams, Dennis D. (10% Non-EPA)
		Dr. Daughtrey, Hunter (5% Non-EPA)
S7MM007 5	Field Characterization of Potential Reference Sediments in the Gulf of Mexico: Chemical and Biological Quality	Dr. Lewis, Michael A. (40%)
		Dr. Harris, Peggy (10%)
		Dr. Campbell, Jed (10%)
		Dr. Dantin, Darrin (10%)
		Dr. Foss, Steve (10%)
		Dr. Quarles, Robert L. (10%)
		Dr. Moore, James (10%)
S7MM007 6	Microbial Genotoxicity as an Environmental Indicator for Near-Coastal Sediment Pore Waters	Dr. Lewis, Michael (60%)
		Dr. Daniels, Carol (20%)
		Dr. Chancy, Cynthia (20%)
S7MM007 7	(1) Evaluation of Optically Acquired Zooplankton Size-Spectrum Data as a Potential Tool for Assessment of Condition in the Great Lakes	Dr. Yurista, Peder M. (60%)
		Dr. Kelly, John R. (20%)
	(2) Comparisons of Zooplankton Community Size Structure in the Great Lakes	Dr. Miller, Samuel E. (20%)
S7MM007 8	Land-Cover Change Detection using Multi-Temporal MODIS NDVI Data	Dr. Lunetta, Ross S. (34%)
		Dr. Knight, Joseph F. (23%)
		Dr. Lyon, John G. (10%)
		Dr. Worthy, L. Dorsey (10%)
		Dr. Ediriwickrema, Jayantha (23% Non-EPA)

S7MM007 9	Statistical Validation of Sulfate Quantification Methods used for Analysis of Acid Mine Drainage	Dr. Reisman, David J. (40%) Dr. Al-Abed, Souhail (30%) Dr. Allen, Derrick (10%) Dr. Sundaram, Vijayakumar (20% Non-EPA)
S7MM008 0	(1) Optimal Benthic Macrofaunal Sampling Protocol for Detecting Differences Among Four Habitats in Willapa Bay, Washington, USA (2) a More Cost-Effective EMAP Benthic Macrofaunal Sampling Protocol	Dr. Ferraro, Steven P. (50%) Dr. Cole, Faith A. (40%) Dr. Olsen, Anthony R. (10%)
S7MM008 1	(1) A Simple Multiplex Polymerase Chain Reaction Assay for the Identification of Four Environmentally Relevant Fungal Contaminants (2) A Simple Polymerase Chain Reaction/Restriction Fragment Length Polymorphism Assay Capable of Identifying Medically Relevant Filamentous Fungi (3) A Simple Polymerase Chain Reaction-Sequencing Analysis Capable of Identifying Multiple Medically Relevant Filamentous Fungal Species	Dr. Dean, Timothy R. (75%) Dr. Kohan, Michael (15%) Dr. Menetrez, Marc Y. (5%) Dr. Betancourt, Doris (5%) Dr. Roop, Barbara (0%)
S7MM014 4	National Environmental Health Measures for Minority and Low-Income Populations: Tracking Social Disparities in Environmental Health	Dr. Payne-Sturges, Devon C. (50%) Dr. Gee, Gilbert C. (50% Non-EPA)
S7OR0082	Preparing Highway Emissions Inventories for Urban Scale Modeling: A Case Study in Philadelphia	Dr. Cook, James Richard (55%) Dr. Strum, Madeleine L. (10%) Dr. Beidler, Allan (20% Non-EPA) Dr. Touma, Jawad S. (15% Non-EPA)
S7OR0083	Removal of Selected Pollutants from Aqueous Media by Hardwood Mulch	Dr. Selvakumar, Ariamalar (30%) Dr. Tafuri, Anthony N. (30%) Dr. Ray, Asim B. (40% Non-EPA)
S7OR0084	(1) Inactivation of Spores of Bacillus Anthracis Sterne, Bacillus Cereus, and Bacillus thuringiensis subsp. Israelensis by Chlorination (2) Inactivation of Bacillus globigii by Chlorination: A Hierarchical Bayesian Model	Dr. Rice, Eugene W. (30%) Dr. Sivaganesan, Mano (30%) Dr. Adcock, Noreen J. (30%)

		Dr. Rose, Laura J. (10% Non-EPA)
S7OR0085	(1) Global Transcriptome Analysis of Staphylococcus Aureus Response to Hydrogen Peroxide	Dr. Toghrol, Freshteh (50%) Dr. Chang, Wook (30% Non-EPA)
	(2) Toxicogenomic Response of Staphylococcus Aureus to Peracetic Acid	Dr. Small, David A. (10% Non-EPA)
	(3) The Microarray Analysis of Pseudomonas Aeruginosa Induction of Pyocin in Response to Hydrogen Peroxide	Dr. Bentley, William E. (10% Non-EPA)
S7OR0086	A Novel Technique for the Rapid Identification of Alpha Emitters Released during a Radiological Incident	Dr. Dilbeck, George A. (35%) Dr. Leitch, Jerrold M. (10%) Dr. Moore, Brian J. (10%) Dr. Honsa, Patricia C. (5%) Dr. Taylor, Bud (30% Non-EPA) Dr. Silverstone, Marina (10% Non-EPA)
S7OR0087	Estimating Streamflow and Associated Hydraulic Geometry the Mid-Atlantic Region, USA	Dr. Mohamoud, Yusuf M. (67%) Dr. Parmar, Rajbir S. (33%)
S7OR0088	Use of Competitive DNA Hybridization to Identify Differences in the Genomes of Bacteria	Dr. Shanks, Orin C. (65%) Dr. Santo Domingo, Jorge W. (30%) Dr. Graham, James E. (5% Non-EPA)
S7OR0089	Basin-Wide Analysis of the Dynamics of Fecal Contamination and Fecal Source Identification in Tillamook Bay, Oregon	Dr. Shanks, Orin C. (35%) Dr. Nietch, Christopher (15%) Dr. Field, Kate (15% Non-EPA) Dr. Simonich, Michael (15% Non-EPA) Dr. Reynolds, Don (15% Non-EPA) Dr. Younger, Melissa (5% Non-EPA)

S7OR0090	(1) Green and Controlled Synthesis of Gold and Platinum Nanomaterials Using Vitamin B2: Density-assisted Self-assembly of Nanospheres, Wires and Rods (2) Dextrose-Templated Microwave-Assisted Combustion Synthesis of Spongy Metal Oxides	Dr. Varma, Rajender S. (50%) Dr. Nadagouda, Mallikarjuna N. (50% Non-EPA)
S7OR0091	(1) Normative Science (2) Axioms of Ecological Policy (3) Science, Scientists, and Policy Advocacy	Dr. Lackey, Robert T. (100%)
S7OR0092	Experimental Study on the Effect of SO2 on PCDD/F Emissions: Determination of the Importance of Gas-Phase Versus Solid-Phase Reactions in PCDD/F Formation	Dr. Ryan, Shawn P. (45%) Dr. Gullett, Brian K. (30%) Dr. Lee, Chun Wai (8%) Dr. Li, Xiao-dong (15% Non-EPA) Mr. Clayton, Matt (1% Non-EPA) Dr. Touati, Abderrahmane (1% Non-EPA)
S7OR0093	Characterization of Airborne and Bulk Particulate from Iron and Steel Manufacturing Facilities	Dr. Macheimer, Steven D. (100%)
S7OR0094	Apparent 85Kr Ages of Groundwater within the Royal Watershed, Maine, USA	Dr. Sidle, William (100%)
S7OR0095	Diagnosis of Trace Pb in Domestic Wells, Upper Gloucester Catchment, Maine, USA	Dr. Sidle, William (100%)
S7RA0096	Air Emission Inventories in North America: A Critical Assessment	Dr. Miller, C. Andrew (56%) Dr. Mobley, J. David (4%) Dr. Hidy, George (4% Non-EPA) Dr. Hales, Jeremy (4% Non-EPA) Dr. Kolb, Charles E. (4% Non-EPA) Dr. Werner, Arthur S. (4% Non-EPA) Dr. Haneke, Bernd (4% Non-EPA) Dr. Parish, David D. (4% Non-EPA) Dr. Frey, H. Christopher (4% Non-EPA)

		Dr. Rojas-Bracho, Leonora (4% Non-EPA)
		Dr. Deslauriers, Marc (4% Non-EPA)
		Dr. Pennell, Bill Non-EPA)
S7RA0097	Probing the Enantioselectivity of Chiral Pesticides	Dr. Garrison, Arthur W. (100%)
S7RA0098	The Fathead Minnow in Aquatic Toxicology: Past, Present and Future	Dr. Ankley, Gerald T. (50%) Dr. Villeneuve, Daniel L. (50%)
S7RA0099	the Multidisciplinary Influence of Common Sustainability Indices	Dr. Mayer, Audrey L. (40%) Dr. Thurston, Hale W. (30%) Dr. Pawlowski, Christopher W. (30% Non-EPA)
S7RA0100	Systematic Approach to Evaluating Trade-Offs among Fuel Options: The Lessons of MTBE	Dr. Davis, J. Michael (90%) Dr. Thomas, Valerie M. (10% Non-EPA)
S7RA0102	Classifying Coastal Waters: Current Necessity and Historical Perspective	Dr. Kurtz, Janis C. (40%) Dr. Detenbeck, Naomi D. (20%) Dr. Engle, Virginia E. (20%) Dr. Ho, Kay (5%) Dr. Smith, Lisa M. (5%) Dr. Jordan, Stephen J. (5%) Dr. Campbell, Dan (5%)
S7RA0103	Assessment and Management of Watershed Microbial Contaminants	Dr. Smith, Jr., James E. (50%) Dr. Walling, Joyce M. (50%)

S7RA0104	Toxic Metals in the Environment: Thermodynamic Considerations for Possible Immobilization Strategies for Pb, Cd, As and Hg	Dr. Scheckel, Kirk G. (25%) Dr. Impellitteri, Christopher A. (25%) Dr. Ryan, James A. (25%) Dr. Porter, Spencer K. (25% Non-EPA)
S7RA0105	Methods for Speciation of Metals in Soils: a Review	Dr. Ryan, James A. (40%) Dr. Al-Abed, Souhail R. (15%) Dr. Scheckel, Kirk G. (10%) Dr. D'Amore, John J. (35% Non-EPA)
S7RA0106	Trends Analysis of Ambient 8 Hour Ozone and Precursor Monitoring Data in the South Central U.S.	Dr. Sather, Mark E. (95%) Dr. Cavender, Kevin (5%)
S7RA0107	The Measurement and Use of Contaminant Flux for Performance Assessment of DNAPL Remediation	Dr. Brooks, Michael C. (60%) Dr. Wood, A. Lynn (40%)
S7RA0108	Nanomaterials and Water Purification: Opportunities and Challenges	Dr. Savage, Nora F. (50%) Dr. Diallo, Mamadou S. (50% Non-EPA)
S7RA0109	Emissions of Organic Air Toxics from Open Burning: a Comprehensive Review	Dr. Lemieux, Paul (70%) Dr. Lutes, Christopher C. (15% Non-EPA) Dr. Santoianni, Dawn A. (15% Non-EPA)
S7RA0110	Microwave Technology: Chemical Synthesis Applications	Dr. Varma, Rajender S. (100%)
S7RA0111	Seagrass Rhizosphere Microbial Communities	Dr. Devereux, Richard (100%)
S7RA0113	Toxicity Tests for Sediment Quality Assessments	Dr. Ireland, Scott D. (60%) Dr. Ho, Kay (40%)
S7RA0114	Indicators of Ecosystem Integrity for Estuaries	Dr. Jordan, Stephen J. (70%) Dr. Smith, Lisa M. (30%)

S7RA0115	Regional and Global Patterns of Population, Land use, and Land Cover Change: an Overview of Stressors and Impacts	Dr. Jarnagin, S. Taylor (100%)
S7RA0116	Developmental Neurotoxicity of Pyrethroid Insecticides: Review and Future Research Needs	Dr. Shafer, Timothy J. (65%) Dr. Crofton, Kevin M. (20%) Dr. Meyer, Douglas A. (15% Non-EPA)
S7RA0139	Temperature and Toxicology: An Integrative, Comparative, and Environmental Approach CRC Press, Boca Raton, FL, 338 PP	Dr. Gordon, Christopher J. (100%)
S7RA0140	Hydrological Connectivity between Headwater Streams and Downstream Waters: How Science can Inform Policy	Dr. Nadeau, Tracie-Lynn (60%) Dr. Rains, Mark C. (40% Non-EPA)
S7RM011 7	Evaluation of Lead Availability in Amended Soils Monitored over a Long-term Time Period	Dr. Barth, Edwin F. (80%) Dr. Succop, Paul A. (10% Non-EPA) Dr. Evans, Mark L. (10% Non-EPA)
S7RM011 8	Reducing Children's Risk from Lead in Soil	Dr. Ryan, James A. (22%) Dr. Doolan, Mark (11%) Dr. Maddaloni, Mark (11%) Dr. Scheckel, Kirk G. (6%) Dr. Grevatt, Peter (3%) Dr. Berti, Bill (22% Non-EPA) Dr. Chaney, Rufus (11% Non-EPA) , (6% Non-EPA) Dr. Brown, Sally (6% Non-EPA) Dr. Casteel, Stan (3% Non-EPA) Dr. Hallfrisch, Judith (2% Non-EPA) Dr. Mosby, Dave (2% Non-EPA)
S7RM011 9	Influences of pH and Current on Electrolytic Dechlorination of Trichloroethylene at a Granular-Graphite Packed Electrode	Fang, Yuanxiang (James) (20% Non-EPA) Dr. Al-Abed, Souhail (80%)

S7RM0120	Comparative Evaluation of Short-term Leach Tests for Heavy Metal Release from Mineral Processing Waste	Dr. Al-Abed, Souhail (40%) Dr. Allen, Derrick (10%) Dr. Hageman, Philip L. (20% Non-EPA) Dr. Jegadeeesan, Gautham (20% Non-EPA) Dr. Madhavan, Narain (10% Non-EPA)
S7SS0143	Environmental Health Disparities: A Framework Integrating Psychosocial and Environmental Concepts	Mr. Payne-Sturges, Devon C. (50%) Mr. Gee, Gilbert C. Non-EPA)
S7TF0121	The 2-Norbornyl Cation is Not A Single Minimum Energy System	Dr. Mamantov, Andrew (100%)
S7TF0123	Volatile Organic Compounds from Vegetation in Southern Yunnan Province, China: Emission Rates and Some Potential Regional Implications	Dr. Geron, Chris D. (75%) Dr. Owen, Sue M. (10% Non-EPA) Dr. Guenther, Alex B. (8% Non-EPA) Dr. Greenberg, Jim P. (2% Non-EPA) Dr. Rasmussen, Rei (2% Non-EPA) Dr. Bai, Jian Hui (1% Non-EPA) Dr. Li, Qing-Jun (1% Non-EPA) Dr. Baker, Brad (1% Non-EPA)
S7TF0124 (Duplicate of submission S7TF0125)	Effects of pH and Phosphate on Metal Distribution with Emphasis on As Speciation and Mobilization in Soils from a Lead Smelting Site	Dr. Impellitteri, Christopher A. (100%)
S7TF0125 (Duplicate of submission S7TF0124)	Effects of pH and Phosphate on Metal Distribution with Emphasis on as Speciation and Mobilization in Soils from a Lead Smelting Site	Dr. Impellitteri, Christopher A. (100%)
S7TF0126	The Distribution, Solid-Phase Speciation, and Desorption/Dissolution of as in Waste Iron-Based Drinking Water Treatment Residuals	Dr. Impellitteri, Christopher A. (70%) Dr. Scheckel, Kirk G. (30%)
S7TF0127	Arsenate and Arsenite Sorption on and Arsenite Oxidation by Iron(II, III) Hydroxycarbonate Green Rust	Dr. Su, Chunming (75%) Dr. Wilkin, Richard T. (25%)

S7TF0128	(1) Reduction of Nitrosobenzenes and N-hydroxylanilines by Fe(II) Species: Elucidation of the Reaction Mechanism	Dr. Colon, Dalizza (55%)
	(2) QSAR Study of the Reduction of Nitroaromatics by Fe(II) Species	Dr. Weber, Eric J. (23%)
		Dr. Winget, Paul (5%)
		Dr. Suarez, Luis A. (5%)
		Dr. Anderson, James L. (12% Non-EPA)
S7TF0129	(1) Degradation of Chlorpyrifos in Aqueous Chlorine Solutions: Pathways, Kinetics, and Modeling	Dr. Duirk, Stephen E. (55%)
	(2) Monitoring the Speciation of Aqueous Free Chlorine from pH 1 to 12 with Raman Spectroscopy to Determine the Identity of the Potent Low-pH Oxidant	Dr. Collette, Timothy W. (22%)
		Dr. Cherney, Daniel P. (18% Non-EPA)
		Dr. Tarr, J. Christopher (5% Non-EPA)
S7TF0130	Uncertainty from Synergistic Effects of Multiple Parameters in the Johnson and Ettinger (1991) Vapor Intrusion Model	Dr. Weaver, James W. (50%)
S7TF0131	(1) Detection and Quantification of a Thio-Arsenosugar in Marine Mollusks by IC-ICP-MS with an Emphasis on the Interaction of Arsenosugars with Sulfide as a Function of pH	Dr. Creed, John T. (20%)
	(2) In Vitro Biotransformation of an Arsenosugar by Mouse Anaerobic Cecal Microflora and Cecal Tissue as Examined using IC-ICP-MS and LC-ESI-MS/MS	Dr. Creed, Patricia A. (20%)
		Dr. Thomas, David J. (16%)
		Dr. Kohan, Mike (15%)
		Dr. Herbin-Davis, Karen (0%)
		Dr. Conklin, Sean D. (20% Non-EPA)
		Dr. Fricke, Michael W. (2% Non-EPA)
		Dr. Ackerman, Amanda H. (2% Non-EPA)
S7TF0132	Groundwater N Speciation and Redox Control of Organic N Mineralization by O ₂ Reduction to H ₂ O ₂	Dr. Washington, John W. (80%)
		Dr. Thomas, Robert C. (5%)
		Dr. Endale, Dinku M. (5% Non-EPA)
		Dr. Schroer, Katherine L. (5% Non-EPA)
		Dr. Samarkina, Lidia P. (5% Non-EPA)

S7TF0133	Mineralogy and Characterization of Arsenic, Iron, and Lead in A Mine Waste Derived Fertilizer	Dr. Williams, Aaron G. B. (40%)
		Dr. Scheckel, Kirk G. (30%)
		Dr. Impelliteri, Christopher A. (20%)
		Dr. Tolaymat, Thabet (10%)
S7TF0134	Simplified Modeling of Flushing and Residence Times in 42 Embayments in New England, USA, with Special Attention to Greenwich Bay, Rhode Island	Dr. Abdelrhman, Mohamed (100%)
S7TF0135	Modeling Nitrogen-Carbon Cycling and Oxygen Consumption in Bottom Sediments	Dr. Hantush, Mohamed M. (100%)
S7TF0136	Effects of Different Forms of Organic Carbon on the Partitioning and Bioavailability of Nonhphenol	Dr. Burgess, Robert M. (25%)
		Dr. Pelletier, Marguerite C. (25%)
		Dr. Gundersen, Jennifer L. (25%)
		Dr. Ryba, Stephan A. (15%)
		Dr. Perron, Monique M. (10% Non-EPA)
S7TF0137	(1) Arsenic Cycling within the Water Column of a Small Lake Receiving Contaminated Ground-Water Discharge	Dr. Ford, Robert G. (48%)
		Dr. Wilkin, Richard T. (47%)
	(2) Arsenic Solid-Phase Partitioning in Reducing Sediments of a Contaminated Wetland	Dr. Hernandez-Roberts, Gina (5% Non-EPA)

Attachment 5

Email from Tom Theis Approving Minutes

Tom Theis
<theist@uic.edu> To Vivian Turner/DC/USEPA/US@EPA
10/15/2007 04:45 PM cc
Subje Re: STAA 2007 Minutes

Vivian,

Minor edits. Otherwise they look fine to me. Thanks!

Tom

At 01:02 PM 10/15/2007, you wrote:

>Hi Tom,
>Please review the minutes and comment as needed. I have been reminded
by management that 2 months have passed and there are no approved
minutes yet!!