



JONATHAN V. L. KISER, M.B.A.

President, Kiser Environmental Consulting, Harrisonburg, VA 22801
540-801-8899 (Office); 703-431-1106 (Cell); jvlkiser@aol.com (Email)

EDUCATION

M.B.A., Business Economics and Public Policy, George Washington U., 1992
B.S., Resource Economics, University of New Hampshire, 1980.

PROFESSIONAL AFFILIATIONS

Solid Waste Association of North America (SWANA)
Columbia University Earth Engineering Center Research Associate
Staff Alumni and a Founding Director with Integrated Waste Services Association
Staff Alumni & former Manager with National Solid Wastes Mgt. Association
Former Director of the Medical Waste Institute, Washington, D.C.
Former Manager of the Waste Combustion Equipment Institute, Washington, D.C.

EXPERIENCE OVERVIEW

Mr. Kiser has nearly 35 years of environmental experience working on behalf of public and private sector organizations, the federal government, and others, on an international level. Mr. Kiser has more than 70 publications on waste-to-energy, recycling, and other environmental issues and more than 70 lectures and training sessions on related topics.

SELECT RESEARCH - RELATED EXPERIENCE

Technical Research & Analysis, Waste-To-Energy Industry Directories, NSWMA and IWSA, Washington, D.C., 1990 – 2004. Mr. Kiser conducted all primary research and documented latest trends in waste-to-energy facility operation design, environmental impacts, regulatory compliance, technology advancements, recycling compatibility, a state-by-state listing of facilities, and more (NSWMA and IWSA staffer and Independent assignments).

Due Diligence Research, Environmental Impact of Solid Waste Landfills Vs. WTE Plants, State of Connecticut Department of Environmental Protection, Solid Waste Management Plan Sections, 2005 – 2006. Mr. Kiser researched, analyzed, and documented the environmental impact of municipal solid waste landfills compared with waste-to-energy operations, plus the comparative environmental impact of hauling municipal waste out of state via transfer station using heavy-duty diesel truck versus locomotive rail haul (R. W. Beck associate).

Integrated Waste Management Full Cost Accounting Research, Nashville/Davidson County, TN, 2000 – 2004. Mr. Kiser researched and documented the cost of service associated with nearly 30 waste management and recycling program cost centers for the client, applying U.S. EPA-approved full cost accounting methodologies. Tracked all costs relating to solid waste collection, household hazardous waste management, recycling drop-off centers, waste-to-energy, public education, and more. Also documented capital depreciation, debt service, and revenue streams. Published the first year results in September/October 2003 issue of MSW Management Magazine. (GBB).

Recycling and Waste-To-Energy Compatibility Research Report (2005) - Documented the compatibility of the two waste management options in 19 U.S. communities. Addressed compatibility concerns raised by regulators and the environmental community. Provided results on the type and amount of materials recovered on-site at WTE operations for subsequent recycling, the community recycling rates, materials included in the rates, whether WTE is preventing or facilitating higher recycling percentages, the impact of burning plastics, and more.

WTE Health Risk Communication Reports, AIMS Coalition (ASME, IWSA, MWMA, and SWANA), Washington, D.C., 1994 - 1995. Coordinated the development of the AIMS Coalition, comprised of waste management-oriented stakeholder organizations from the public and private sectors. Managed the research, development, publication, and marketing of health risk communications white papers pertaining to resource recovery for the AIMS Coalition. Provided a comparison of air emission impacts associated with oil, gas, coal, and WTE power generation sources. Findings were expressed in a visual, accessible manner, and served as an educational/outreach tool primarily for federal, state, and local lawmakers (IWSA staffer).

Technical Research & Analysis, Alternative Waste Management Technology Assessment, Grand Cayman Islands, 2007. Mr. Kiser provided an overview of alternative (a.k.a., conversion) technologies for managing waste materials, with particular emphasis on gasification. Explained the development status of gasification around the world, compared gasification to traditional waste-to-energy systems, identified implementation barriers, critiqued the promotional literature of one gasification vendor (Recovered Energy Resources Systems), and more (ICF International).

Waste-To-Energy Public Outreach, Collaborative Citizen Involvement Research, 1994. Mr. Kiser managed the comprehensive investigation of citizen involvement with the implementation of WTE plants. Spearheaded a team of five authors, working directly

with IWSA Committees, outside organizations like U. S. EPA, U. S. General Accounting Office, and others. Determined through empirical research how citizens were involved with facility siting, what role citizen advisory groups played, on-going mechanisms for citizen input, and suggested improvements to public outreach efforts.

Medical & Hazardous Waste Research Conducted in Thailand, U.S. Trade and Development Agency, Arlington, VA. Mr. Kiser completed a definitional mission to Thailand focusing on medical and hazardous waste management. Conducted environmental audits at hospitals, clinics, recycling centers, and waste operations. Shared audit recommendations with local hospital administrators and government officials. Also identified business opportunities for U.S. corporations on behalf of U.S. TDA. Published mission results in a national trade journal (Independent assignment).

Strategic Business Plan Research for Landfill Operations, Corpus Christi, TX, 2001 – 2002. Mr. Kiser conducted due diligence field research (e.g., meeting with city officials, regional government representatives, state agencies) and documented environmental impact considerations relating to planned landfill facilities and services (e.g., demographics/population trends, siting considerations, waste supply) (GBB).

Cost of Service & Gap Research Analyses of City of Philadelphia Waste Management Programs, Philadelphia, PA, 2003. Completed detailed research and analysis of all 28 solid waste, hazardous waste, and recycling programs for the City, applying EPA-approved full cost accounting principals. Defined cost centers and revenue sources of interest, and secured all appropriate data. Tracked annual costs, revenues, and tonnage. Also completed a gap analysis as part of this effort and recommended follow-up actions to close the data gaps (GBB).

Benefit – Cost, SWOT, and Other Technical Analyses, various Public and Private Sector Clients. Completed technical research and analyses for clients, ranging from a cost – benefit assessment of a proposed resource recovery plant in New Jersey, to life-cycle sensitivity analyses as part of two bond feasibility reports for WTE and other environmental projects in New York, to a published Strengths, Weaknesses, Opportunities, Threats (SWOT) analysis of the municipal waste combustion industry, to the review and development of strategic economic models for the Rivanna Solid Waste Authority in Virginia and others, to the creation, refining, and summarization of national statistics pertaining to different environmental industries (Various clients).

Due Diligence Analysis, Recycling/Renewable Energy/Waste Management Plan QA/QC Manager, Virginia Department of Environmental Quality, 2004 – 2005. Mr. Kiser conducted due diligence analysis to ensure that more than 60 solid waste management plans submitted by jurisdictions were in compliance with DEQ regulations. Mr. Kiser reviewed reduction, reuse, recycling, energy recovery, and disposal practices and strategies, and assessed the validity of funding mechanisms for proposed waste management facility operations over a 20-year planning period (Golder Associates).

Economic Analysis, QA/QC Manager for Greenhouse Gas Reduction Feasibility Studies, World Bank, 2005. Mr. Kiser researched and developed report sections,

updated financial models, interpreting report data, and provided technical editing to ensure document consistency. The studies promoted the reduction of greenhouse gas emissions from landfill disposal facilities in the following Latin American countries: Colombia, Mexico, Uruguay, Peru, and Brazil (SCS Engineers).

Due Diligence Research & Analysis, City of Alexandria/Arlington County Waste Management Plan Sections, Alexandria, VA, 2003. Mr. Kiser compiled demographic and solid waste generation statistics, delivered a complete description of the existing solid waste management system, and provided quality control oversight to ensure that the separate Plans submitted by the City and County were accurate and interactive. Met with VA DEQ to obtain feedback so that the Plans would be responsive to the required guidelines (GBB).

Due Diligence Research, U.S. EPA Solid Waste Management Agenda For Action Investigation, Private Sector Client, Washington, D.C., 2003. Completed an in-depth documentation of EPA's integrated waste management policy, tracing the evolution of the Agenda from the late 1980s through the new millennium. Interacted with key stakeholders from the public sector, private sector, trade associations, and federal government to revisit their respective positions relating to EPA's integrated waste management policy. Also documented the availability of relevant publications featuring written descriptions of EPA's Agenda for Action (Independent assignment).

Benchmarking Research, Material Recovery Facility Operations, Governmental Advisory Associates, 2005. Mr. Kiser conducted in-depth surveys of MRFs across the U.S., documenting operational details, material types and quantities, equipment details, financing mechanisms, contract specifics, vendors, ownership arrangements, and more (Independent assignment).

Technical Research & Training, Landfill Gas System Field Procedures Handbook, International Solid Waste Association (ISWA), 2004. Created a landfill gas system handbook for use by landfill operators in the European Union. The handbook featured landfill basics, a LFG health and safety checklist, and system descriptions relating to monitoring and protection, wellfields, conveyance, condensate, blowers, flares, energy recovery, and more (SCS Engineers).

Training Session, Food and Leaf Management, WasteExpo Conference, New Orleans, LA, June 2003. Researched and lectured on finding relating to Food and Leaf Waste: Collection to Composting, focusing on compost facility design principles, compost marketing and economic issues, and food waste composting case studies (GBB).

Training Tool, U.S. EPA Food Waste Calculator, Washington, D.C., 2007. Provided management oversights and expert insights toward the development of a web-based, food waste diversion calculator aimed at determining how much food waste and biodegradable paper can be diverted from disposal at what level of cost savings. Mr. Kiser developed strategic questions for the client to ensure calculator development reflected their needs. Researched and created the calculator framework including: calculator instructions, recycling cost estimates, graphs, diversion technologies, etc. Prepared a comprehensive

summary of the suggested calculator data inputs and outputs, and more (ICF International).

Training Document, Environmental Infrastructure Procedures Manual, Egyptian Governorates, Cairo, Egypt. Mr. Kiser researched and completed a procedures manual for environmental infrastructure programs, featuring environmental impact assessment issues such as: demographics, land use, socioeconomics, facility siting options, alternative management practices, traffic, public policy considerations, and more. Provided the Governorates with a blue print for program implementation (SCS Engineers).

Outreach Documents, U.S. EPA Green Buildings/Construction and Demolition Recycling Information Sheets, Washington, D.C., 2007 – 2008. Mr. Kiser provided technical editing of the Agency's Construction Initiative Information Sheet, which described the EPA-sponsored effort to increase recycling of industrial materials in building and transportation construction projects across the U.S. Mr. Kiser also researched and developed factoids for and critiqued fact sheets relating to the beneficial use of recyclable materials in roadway and building applications. He also provided feedback on an ICF report for EPA relating to traits and trends in the C&D waste sector (ICF International).

Private Sector Outreach, Recycling Markets Development, Potomac Landfill, Dumfries, VA, 2003. Mr. Kiser researched and developed markets for wood and plastic materials delivered to the Landfill. Used telephone and Internet networking to locate markets within Virginia and adjacent states, define the material specifications acceptable to material processors, and facilitated the meeting of material supplier and processors (GBB).

Private Sector Outreach, Commercial Reuse and Recycling, Montgomery County, MD, 2006. Mr. Kiser contacted 300 businesses in the County to determine the extent of their recycling and waste reduction activities. Mr. Kiser documented material tonnages and other data on a fast track basis and reported findings (SCS Engineers).

Strategic Communications, Landfill Submittal for SWANA Excellence Award, Waste Management Inc., 2005. Mr. Kiser served as Project Manager responsible for researching and developing the submittal relating to the Waste Management Inc. Outer Loop Landfill in Kentucky. This landfill features state-of-the-art bioreactor cells and biocover applications being advanced through creative collaborations with U.S. EPA and others. The submittal was judged to be the **Gold Excellence Award Winner** for being best in its category (SCS Engineers).

Strategic Communications, U.S. EPA Disaster Response Notebooks, Washington, D.C., 2007. Mr. Kiser researched and developed environmental notebooks for first responders and emergency managers responsible for public health and safety for the following scenarios: 1) a major hurricane natural disaster; and 2) an avian influenza outbreak impacting the poultry industry. The notebooks provide real-time waste disposal

decision-making tools, including on- and off-site landfill options. Also covered are policy issues impacting the two disaster scenarios, the cost associated with alternative disposal methods, and a decision tree to help responders determine the best course of waste management actions (ICF International).

Strategic Communications, White Papers on Alternative Waste Management Technologies and the Impact of Rising Diesel Prices on Garbage and Recycling Costs, NSWMA, 2006 - 2007. Mr. Kiser researched and produced technical white papers on the status of alternative waste management technologies in the U.S. and the impact of rising diesel prices on the transportation components of the waste management industry. For the latter reported, he documented U.S. EPA diesel fuel regulations aimed at improving air emissions from buses and trucks, and how transfer stations were negatively impacted by rising diesel prices due to third-party haulers passing increased costs back to transfer operations (Independent assignments).

WTE Industry Outreach, Waste-To-Energy and Recycling Program Improvements, City of Alexandria/Arlington County, Virginia. Mr. Kiser researched and summarized resource recovery industry outreach efforts in communities across the U.S. Documented activities such as providing educational materials to schools, providing reduced disposal fees as a host community benefit, paying for recycling programs via a portion of the tip fee, hosting tours of the facility, sponsoring environmental symposiums, and more.

State Environmental Regulations, State of Iowa Upper Explorerland Region Waste Disposal Options Study, Des Moines, IA, 1986. As Project Coordinator, Mr. Kiser researched potential material and energy markets in the Region via an applicability assessment of waste management technologies, including energy recovery, recycling, and composting. Determined the status of State environmental regulations pertaining to land, air, and water) and the impact such regulations would have on the waste management options being considered (GBB staffer).

Medical Waste Management in U.S. Research, Independent Consultant Assignment, 2000. Completed comprehensive investigation of medical waste management in the U. S. Topics covered included: health & safety issues, OSHA developments, waste reduction & recycling, environmental concerns, new technologies, economics, public policy trends, risk communication, and more.

Recycling Benefits Fact Sheet, U.S Environmental Protection Agency, Washington, D.C., 2008. Mr. Kiser served as technical project manager responsible for the research and development of a Public Venue fact sheet relating to recycling and waste management. The fact sheet was designed to help public venue managers (including airport operators) determine to what extent recycling can beneficially divert trash from landfills, reduce waste management costs, and generate revenue from the sale of recyclable materials. Mr. Kiser also created a Public Venue Waste Management and Recycling Cost Worksheet designed to help users perform a “back of the envelope” calculation of the waste management and recycling costs of their operations (ICF International assignment).

Product Stewardships Study, U.S. Post-Consumption Responsibility Practices, Brazilian Business Association, 2008. Mr. Kiser researched and documented post-consumptions responsibility regulatory issues associated with the following sectors: packaging, electric and electronic, tires, and vehicles. He also documented costs associated with product stewardship programs for mercury switches, automobile tires, and lead acid batteries. Described the flow of waste from consumer to final disposal, attributed costs for each segment of this flow, explained who pays for each segment, and more (ICF International).

Carbon Footprint Reduction Through Maximum Reduction, Reuse, and Recycling, Rockingham County, VA, 2009. Mr. Kiser undertook a 12-month research investigation of how much household waste could be diverted from disposal. Materials were quantified, management costs were estimated, annual carbon reduction was estimated, remaining disposal materials were identified, and more. An 82 percent recycling rate and a 96 percent disposal diversion rate was achieved (Independent assignment).

Product Stewardship Investigation Featuring EU Standards, Scrap Magazine, 2005. Mr. Kiser researched and published findings on the Green Dot system for take back packaging and the Waste Electrical and Electronic Equipment (WEEE) directive adopted by the European Union, plus the status of similar initiatives in the U.S. (Independent assignment)

EMPLOYMENT HISTORY

Kiser Environmental Consulting	President	1995-Present
Integrated Waste Services Association	Director	1991-1995
National Solid Wastes Mgt. Association	Manager	1987-1991
Gershman, Brickner & Bratton	Consultant	1984-1987
Case Western Reserve University	Project Liaison	1982-1984
NOACA	Planner	1981-1982

SELECT PUBLICATIONS

1. "Continuous Emissions Monitoring: A Primer," Waste Age, May 1988, pp. 64 - 68.
2. "More On Continuous Emissions Monitoring," Waste Age, June 1988, pp. 119 - 124.
3. "Waste-to-Energy and Recycling: A Compatible Solution," Waste Alternatives/Recycling, June 1988, pp. 18 - 21.
4. "Waste-to-Energy Reference Acronyms, Abbreviations & Definitions," Waste Alternatives/Waste-to-Energy, September 1988, pp. 79 - 80.
5. "New Utility Rules Threaten Refuse-to-Energy," Waste Age, October 1988, pp. 87 - 92.

6. "Ash Landfills – Disposing Ash," Waste Alternatives/Landfills of the 90s, December 1988, pp. 74 – 79 (co-authored with Edward W. Repa).
7. "U.S. Waste-to-Energy: A Status Report," Electric Light & Power, Volume 66, Number 12, December 1988, pp. 28 – 29.
8. "Managing Municipal Waste Combustion Ash," Environmental & Waste Management World (Canada), Volume 3, Number 1, January 1989, pp. 1 – 5 (co-authored with Edward W. Repa).
9. "Integrated Waste Management: The Crisis Solution," Waste Alternatives/The Disposal Crisis, March 1989, pp. 40 – 48 (co-authored with Lisa M. Gills).
10. "What Do You Do With Ash?," Waste Age, August 1989, pp. 157 – 162.
11. "Around The World In Waste," Waste Age, October 1989, pp. 90 – 98.
12. "Mid-Connecticut: The Rest Of The Story Is Good!," Waste Age, November 1989, pp. 44 – 52.
13. "National Waste Strategies Compared," Waste Age, November 1989, pp. 78 – 84.
14. "Can We Reuse 20 Million Tons. . . Of Ash Residue From Waste-To-Energy Plants?," Waste Age, December 1989, pp. 136 – 138.
15. "Medical Waste Combustion: Current And Future Prospects," Waste Age, July 1990, pp. 77 – 80 (co-authored with Roger G. Etter and Stephen E. Shuler).
16. "A Comprehensive Report On Municipal Waste Combustion," Waste Age, November 1990, pp. 100 – 159.
17. "Clean Air Act Amendments To Impact Medical Waste Combustors," Infectious Waste News, Vol. 6. No. 4, February 19, 1991, p. 1 (co-authored with Sandy Tuttle).
18. "The Interview With Jonathan Kiser," Air Currents, July/August 1991, p. 2.
19. "Municipal Waste Combustion In The United States: An Overview," Waste Age, November 1991, pp. 27 – 30.
20. "The Future Role Of Municipal Waste Combustion," Waste Age, November 1991, pp. 33 – 38.
21. "Municipal Waste Combustion & Mercury: The Real Story," Waste Age, November 1991, pp. 41 – 44 (co-authored with David B. Sussman).

22. "The 1991 Municipal Waste Combustion Guide," Waste Age, November 1991, pp. 109 – 135.
23. "Municipal Waste Combustion In The U.S.," European Directory Of Renewable Energy Suppliers And Services 1992, U.S. Supplement, pp. 28 – 31.
24. "Municipal Waste Combustion Ash: Recent Developments," Environmental & Waste Management World (Canada), June 1992, pp. 1 – 11.
25. "Waste-to-Energy Ash: Too Hot To Handle?," World Wastes, July 1992, pp. 38 – 44.
26. "Managing MWC Ash In The United States: Legislative and Regulatory Trends," American Society of Mechanical Engineers proceedings publication for the International Power Generation Conference, October 18 – 22, 1992, Atlanta, Georgia (co-authored with B. Kent Burton).
27. "Municipal Waste Combustion In North America: 1992 Update," Waste Age, November 1992, pp. 26 – 36.
28. "Energy From Municipal Waste: Picking Up Where Recycling Leaves Off," Waste Age, November 1992, pp. 39 – 46 (co-authored with B. Kent Burton).
29. "Recycling and WTE: Working Well Together," Solid Waste & Power/Industry Sourcebook 1993, December 1992, pp. 12 -20.
30. "How To Minimize Your Waste Management Costs," Public Works, February 1993, pp. 42 – 43.
31. "Status and Directions of the U.S. Municipal Waste Combustion Industry," EPA Municipal Waste Combustion Conference Proceedings, Williamsburg, VA, March – April 1993, pp. 1 – 9 (co-authored with B. Kent Burton).
32. "Compatibility Of WTE And Recycling Survey Results," EPA Municipal Waste Combustion Conference Proceedings, Williamsburg, VA, March – April 1993, pp. 1 – 9.
33. "Recycling and Waste-to-Energy: Working Well Together in the USA," WARMER BULLETIN (U.K.), Number 37, May 1993, pp. 8 – 11.
34. "Waste-to-Energy: Policy Progress Eases Path To Future Growth," Engineering News-Record, June 1993, pp. E-42 – E-50 (co-authored with Margaret Ann Charles).
35. "Putting the Pieces Together: Integrated Waste Management," American City & County, June 1993, pp. 26 – 36.

36. "The IWSA Municipal Waste Combustion Directory: 1993 Update Of U.S. Plants," IWSA publication, November 1993, pp. 1 – 16 (co-authored with John P. Bridges).
37. "Recycling and Waste-to-Energy: Compatibility Update," SWANA's 5th Annual International Recycling Symposium Proceedings, Baltimore, MD, February 1994.
38. "WTE: Citizens Respond to Plants in their Neighborhoods," Solid Waste Technologies, May/June 1994 (co-authored with M. Charles, J. Bridges, G. Carr & C. Velzy).
39. "The State-Of-The-Art In Municipal Waste Combustion In The United States," American Chemical Society Division of Environmental Chemistry Conference Proceedings, Washington, D.C., August 1994, pp. 1 -17.
40. "Successful Risk Communications: A WTE Case Study," WARMER BULLETIN (U.K.), August 1994 (co-authored with Bill Hardigg).
41. "The 1995 IWSA Municipal Waste Combustion Directory Of United States Facilities," World Wastes, March 1995, pp. 1 - 16 (co-authored with John Menapace).
42. "Hospital Recycling Moves Ahead," BioCycle, November 1995, pp. 30 – 33.
43. "Waste-to-Energy: Benefits Beyond Waste Disposal," Solid Waste Technologies, 1995 Industry Sourcebook, pp. 12 – 14 (co-authored with Margaret Ann Charles).
44. "Trends in Managing Medical Waste," Solid Waste Technologies, November/December 1995, pp. 18 – 27.
45. "A Comprehensive Look At Medical Waste Management In The United States," Kiser Consulting Publication, July 1996, pp. 1 – 43.
46. "The State-of-the-Art in Municipal Solid Waste Combustion in the United States," Municipal Solid Wastes Problems and Solutions, CRC Press, 1997, pp. 135 – 145.
47. "Definitional Mission For Hazardous And Medical Wastes In Thailand, Submitted to U.S. Trade And Development Agency, By Charles Peterson and Jonathan Kiser, July 21, 1997.
48. "Thailand: A Kingdom of Waste Management Opportunities," World Wastes, January 1998.

49. "The 1999 IWSA Waste-to-Energy Directory Of United States Plants," IWSA publication, February 1999, pp. 1 – 31 (co-authored with Maria Zannes).
50. "Waste-to-Energy in the U.S. – 1999 IWSA Update," 7th Annual North American Waste-to-Energy Conference proceedings, May 1999, pp. 155 – 160 (co-authored with Maria Zannes).
51. "The IWSA Directory Of Waste-to-Energy Plants Year 2000," IWSA publication, March 2000, pp. 1 – 35 (co-authored with Maria Zannes).
52. "Waste Management in Nashville: Getting to the Bottom Line on Diversion," MSW Management, September/October 2003, pp. 76 – 81 (co-authored with Chace Anderson).
53. "The 2002 IWSA Directory Of Waste-to-Energy Plants," IWSA publication, July 2002, pp. 1 – 39 (co-authored with Maria Zannes).
54. "Scrap – Tire Pyrolysis: The Impossible Dream?," Scrap Magazine, September/October 2002, pp. 34 – 41.
55. "Asphalt Rubber Overcoming the Obstacles," Scrap Magazine, January/February 2003, pp. 46 – 52.
56. "Recycling and Waste-to-Energy: Ongoing Compatibility Success," NAWTEC 11 Conference Proceedings, Tampa, FL, April 2003, pp. 179 – 188.
57. "Recycling and Waste-to-Energy: The Ongoing Compatibility Success Story," MSW Management, May/June 2003, pp. 92 – 103.
58. "WTE and Recycling: No Competition!," Wastecon 2003 Conference Proceedings, October 2003, pp. 280 – 288.
59. "The 2004 IWSA Directory Of Waste-to-Energy Plants," IWSA publication, April 2004, pp. 1 – 31 (co-authored with Maria Zannes).
60. "Product Stewardship," Scrap Magazine, January/February 2005, pp. 69 – 74.
61. "Outer Loop Recycling and Disposal Facility Lexington, KY, Expanding Landfill Technologies Through Creative Collaboration," Submitted to SWANA by Waste Management, Inc. for the 2005 Landfill Management Excellence Award, April 2005 (Kiser researched and created this report on behalf of WMI and SCS Engineers; the submittal was judged to be the Gold Excellence Award Winner for being best in its category).
62. "The Status of Waste-to-Energy in the U.S.," 13th Annual NAWTEC Proceedings, Orlando, FL, May 23 – 25, 2005, pp. 167 – 173.

63. "Is There A Role For Waste-to-Energy in Your Community?," SWANA Solid Waste Managers: Trends and Challenges Conference Proceedings, Boulder, CO, June 2005, pp. 1 -6.
64. "Achieving Safety Excellence," Scrap Magazine, July/August 2005, pp. 71 – 79.
65. "The Latest U.S. Waste-to-Energy Trends," Wastecon 2005 Conference Proceedings, Austin, TX, September 2005, pp. 1 – 8.
66. "Comparison of Air Emissions From Heavy-Duty Garbage Trucks And Locomotives," Submitted to CT Department Of Environmental Protection, September 2005 (Kiser, as sub-contractor to R.W. Beck, researched and provided analysis).
67. "Rising Diesel and Commodity Prices Mean Higher Garbage and Recycling Costs," National Solid Waste Management Association publication, 2006, pp. 1 – 7 (Kiser researched and completed).
68. "Reexamining the Recycling and WTE Compatibility Issue, NAWTEC 14 Proceedings, Tampa, FL, May 1, 2006.
69. "Answering the Tough Questions About Recycling – WTE Compatibility," MSW Management, May/June 2006, pp. 28 – 40.
70. "2006 ISRI Convention Highlights Imperatives," Scrap Magazine, May/June 2006, pp. 90 – 133 (co-authored with Jim Fowler, Kent Kiser, and Rachel H. Pollack).
71. "Recycling and Waste-to-Energy Compatibility: The Tough Questions Finally Answered (The Complete 2005 Research Report), Kiser Environmental Consulting publication, June 2006, pp. 1 – 47.
72. "2007-2008 Materials Recycling and Processing in the U.S. Yearbook and Directory," Governmental Advisory Associates, Inc., (Kiser was an acknowledged contributing researcher).
73. "Household Maximizes Diversion Through The 3Rs," BioCycle, January 2009, Vol. 50, No. 1, p. 13.

SELECT PRESENTATIONS/TRAINING SESSIONS

1. "Energy Conservation and Waste Audit Results Among University Circle Institutions, Natural History Museum, Cleveland, OH, September 1983.
2. "Research, Legislative and Institutional Changes Needed for Dealing with Urban Waste Management," for National Solid Waste Management Association, April 20, 1989 (co-authored with Jack Lyman).
3. "Managing Ash From Municipal Waste Combustors," Cornell University, Policy Issues in Solid Waste Management Seminar, October 2, 1989.
4. "National Survey of the States – Status of Ash Management," Air & Waste Management Association, 35th Anniversary Technical Conference and Exhibition, Atlantic City, NJ, October 3 – 6, 1989.
5. "Responsible Waste Combustion: An Industry Perspective," U.S. EPA & CA Air Resources Board, Medical Waste Workshop, Sacramento, CA, April 18 – 19, 1990.
6. "Combustion Technology: A Look At The Options," AR Department Of Pollution Control And Ecology, AR Solid Waste Fact Finding Task Force, Batesville, AR, June 29, 1990.
7. "Waste Combustion as an Option in Integrated Waste Management," North Dakota Solid Waste Symposium: Rural Solutions For The 1990s, Bismark, ND, October 4 – 5, 1990.
8. "Resource Recovery Update: Economics & Other Key Aspects," Waste Management for the 1990s Conference, Baltimore, MD, December 6 – 7, 1990.
9. "Waste-to-Energy in the U.S. – Current & Future Trends," GRCDA/SWANA Waste-to-Energy Symposium, Arlington, VA, January 29 – 31, 1991.
10. "State-Of-The-Art and Emerging Technologies for Recovering Energy from MSW," Session Moderator, New England Resource Recovery Conference & Exposition, Springfield, MA, June 4 – 7, 1991.
11. "Overview of Working Technologies and Near-Term Developments," New England Resource Recovery Conference & Exposition, Springfield, MA, June 4 – 7, 1991.
12. "Statement of Jonathan Kiser, Manager of Resource Recovery Programs, NSWMA, Before the CRA House of Representatives, Committee on Energy and Commerce, Washington, D.C., August 19, 1991.

13. "Statement of Jonathan Kiser, Manager of Resource Recovery Programs, NSWMA, Before the CRA Senate, Committee on Environment and Public Works, Washington, D.C., August 19, 1991.
14. "Waste-to-Energy: More Than Ever Part Of The Solution," APHA 119th Annual Meeting, Atlanta, GA, November 10 – 14, 1991.
15. "Managing MWC Ash In The United States: Legislative and Regulatory Trends," American Society of Mechanical Engineers International Power Generation Conference, October 18 – 22, 1992, Atlanta, Georgia (co-authored with B. Kent Burton).
16. "MSW Management In The United States: Finding The Integrated Solution," For National Renewable Energy Laboratory, Golden, Colorado, November 24, 1992.
17. "Status and Directions of the U.S. Municipal Waste Combustion Industry," EPA Municipal Waste Combustion Conference, Williamsburg, VA, March – April 1993 (co-authored with B. Kent Burton).
18. "Compatibility Of WTE And Recycling Survey Results," EPA Municipal Waste Combustion Conference, Williamsburg, VA, March – April 1993.
19. "WTE and Recycling Working Well Together," New Environmental Solidarities International Conference, Brescia, Italy, 1993.
20. Integrated Waste Management Projects: Success In The U.S.," ASME/SWPD Eastern Chapter Meeting, Tampa, FL, September 21, 1993.
21. "Waste-to-Energy Air Regulations – Federal & State Update," National Association Of Power Engineers, Richmond, VA, January 18, 1994.
22. "Effective MSW Management Through The Integrated Approach," NAWTEC II & ASME 16th Biennial National Waste Processing Conference & Exhibit, Boston, MA, June 5 – 8, 1994.
23. "WTE Industry Trends," NAWTEC II & ASME 16th Biennial National Waste Processing Conference & Exhibit, Boston, MA, June 5 – 8, 1994.
24. "The State-Of-The-Art In Municipal Waste Combustion In The United States," American Chemical Society Division of Environmental Chemistry Conference, Washington, D.C., August 1994.
25. "Statement Of Jonathan Kiser, Director, Waste Services Programs, IWSA, At The Ozone Transport Commission Stationary/Area Source Committee Meeting," Washington, D.C., August 3, 1994.

26. "Recycling and Waste-to-Energy Working Well Together," Waste Management – Recycling and Beyond EMIAA/ALC Seminar Series, Brisbane, Australia, October 24, 1994.
27. "Recycling and Waste-to-Energy Working Well Together," Waste Management – Recycling and Beyond EMIAA/ALC Seminar Series, Adelaide, Australia, October 25, 1994.
28. "Recycling and Waste-to-Energy Working Well Together," Waste Management – Recycling and Beyond EMIAA/ALC Seminar Series, Melbourne, Australia, October 26, 1994.
29. "Recycling and Waste-to-Energy Working Well Together," Waste Management – Recycling and Beyond EMIAA/ALC Seminar Series, Sydney, Australia, October 27, 1994.
30. "WTE: A Good Neighbor," SWANA conference, Washington, DC, January 18, 1995.
31. "Protecting Public Health Through Modern Waste Management Practices," APHA Annual Meeting, Session Moderator, Washington, D.C.
32. "Waste-to-Energy in the U.S. – 1999 IWSA Update," 7th Annual North American Waste-to-Energy Conference, May 1999 (co-authored with Maria Zannes).
33. "Recycling and Waste-to-Energy: Ongoing Compatibility Success," NAWTEC 11 Conference, Tampa, FL, April 28 – 30, 2003.
34. "Food & Leaf Waste: Collection to Composting," WasteExpo, New Orleans, LA, June 3, 2003.
35. "Using Full Cost Accounting To Determine Nashville's Waste Management Bottom Line," Tri-State SWANA Solid Waste Conference, Virginia Beach, VA, June 23 – 27, 2003.
36. "WTE and Recycling: No Competition!," Wastecon 2003 Conference, October 14, 2003.
37. "Optimal Recycling In Nashville Through Full Cost Management," A&WMA SASS Meeting, James Madison University, Harrisonburg, VA, November 5 – 7, 2003.
38. "Using Full Cost Management To Create Positive Real World Environmental Change," JMU Environmental Information Systems Class, Harrisonburg, VA, December 2, 2003.

39. "Implementing Full Cost Accounting in the Real World," Cost of Government 2003 National Summit," Washington, D.C., December 3, 2003.
40. "WTE And Recycling: No Competition!," SWANA Web Seminar Series, April 14, 2004.
41. "Understanding the Bottom Line on Recycling and Waste Management," Rockingham County Democratic Committee, Harrisonburg, VA, July 22, 2004.
42. "Waste Treatment & Processing," Session Moderator, Wastecon 2004, Phoenix, AZ, September 22, 2004.
43. "The Role of Waste-to-Energy in Integrated Waste Management," Waste Expo, Las Vegas, NV, May 3, 2005.
44. "The Status of Waste-to-Energy in the U.S.," 13th Annual NAWTEC, Orlando, FL, May 23 – 25, 2005.
45. "Is There A Role For Waste-to-Energy in Your Community?," SWANA Solid Waste Managers: Trends and Challenges Conference, Boulder, CO, June 2005.
46. "Solid Waste Policy & Regulation," Session Moderator, SWANA Solid Waste Managers: Trends and Challenges Conference, Boulder, CO, June 2005.
47. "The Latest U.S. Waste-to-Energy Trends," Wastecon 2005 Conference Proceedings, Austin, TX, September 27 – 29, 2005.
48. "Adding New WTE Capacity & Benchmarks for Success," Session Moderator, Wastecon 2005 Conference, Austin, TX, September 27, 2005.
49. "Municipal Contracting Issues," Session Moderator, Waste Expo 2006, Las Vegas, NV, April 6, 2006.
50. "Reexamining the Recycling and WTE Compatibility Issue, NAWTEC 14, Tampa, FL, May 1, 2006.
51. "Answering The Tough Questions About Recycling & WTE Compatibility," SWANA VA Chapter 2006 Solid Waste Conference, Wintergreen Resort, VA, June 29, 2006.
52. "Materials Recycling and Waste-to-Energy Compatibility Revisited," Wastecon 2006, Charlotte, NC, September 19, 2006.
53. "Conversion Technology Performance Measures," Session Moderator, Wastecon 2006, Charlotte, NC, September 20, 2006.

54. "WTE and Recycling Compatibility Panel," Session Facilitator, Wastecon 2007, Reno, NV, October 17, 2007.
55. "Maximizing The 3Rs In Your Community – Insights From The Household," VA SWANA 2008 Conference, Williamsburg, VA, June 26, 2008.
56. "Reducing Your Carbon Footprint Through Maximum Waste Reduction, Reuse, and Recycling," ICF Brown Bag Lunch, Fairfax, VA, February 5, 2009.
57. "Reducing Your Carbon Footprint Through Maximum Waste Reduction, Reuse, and Recycling," ICF Green Bag Lunch, Washington, DC, May 15, 2009.
58. "How to Maximize Home Recycling and Minimize Your Carbon Footprint," JMU Honors Program and Environmental Management Club, Harrisonburg, VA, October 7, 2009.
59. "WTE Relative To Recycling," UNC Charlotte IDEAS Center WTE Symposium, Charlotte, NC, February 7, 2011.
60. "WTE & Recycling Community Issues," UNC Charlotte IDEAS Center WTE Symposium, Charlotte, NC, February 8, 2011.

###