

Rec'd 8/22/17 at office



8595 Kingsgate Drive
Granite Bay, CA 95746
916-791-7109
(fax) 916-791-2504
(cell) 916-496-1954
lbruck@datazoid.net

August 21, 2017

San Juan Water District
PO Box 2157
Granite Bay, CA 95746
Attn: Board Secretary

Subject: Vacancy – San Juan Water District Board of Directors

To Whom It May Concern:

I was sorry to hear about the untimely passing of Board Member Bob Walters. I attended the August 9, 2017 Board Meeting and it is my understanding that the Board has decided to appoint a successor to Mr. Walters instead of calling for a special election to fill that opening. I am interested in filling this vacancy; attached is a copy of my resume, which summarizes my skills and experience, and demonstrates my qualifications for this position.

Briefly I am a registered voter in Placer County and resident of Granite Bay since 1990. I have a Bachelor of Engineering, Civil/Sanitary and M.S. in Water & Wastewater Treatment and Water Resource Management. I am a registered Professional Engineer in the State of New York. I am the former Director of the Connecticut Air Compliance Unit, I worked in the private sector as a Project Manager for Radian Corporation, and now own my own environmental consulting firm. I also founded a company whose goal was to unite a community's key water stakeholders (citizens, utilities, business and government) around a common mission of providing clean water to all. I have helped write and implement environmental statutes and regulations, as well as air quality resource management plans. Further I developed #**Water Social>Conservation**, a new "gamified" social platform developed specifically to promote/"market" water conservation and other "causes", e.g., energy conservation. I have participated in numerous multi-disciplinary discussions involving air, water and solid waste issues and concerns. I have testified before Congress and at various public hearings. I have authored a number of environmental-related publications, and prepared/evaluated a number of air quality implantation plans designed to attain and maintain various air quality standards.

Accordingly I am confident that I am uniquely qualified to fill the vacant Board position. I have worked in both the public and private sector, and at this point in my career, I have a desire to again perform public service. Please do not hesitate to contact me if you have any questions regarding my submission.

Sincerely,

A handwritten signature in black ink, appearing to read "Leonard Bruckman", written over a horizontal line.

Leonard Bruckman
President & CEO

CURRICULUM VITAE (CV)
LEONARD BRUCKMAN, P.E.
CEO & PRESIDENT
DATAZOID INC.

FOUNDER & PARTNER
AGUAFAS

SUMMARY:

Mr. Bruckman is a project manager with over 40 years of experience in solving environmental and information technology problems for commercial and public sector clients, including projects related to air resource management, water conservation and GHG/climate change issues. His particular areas of expertise, in addition to evaluating the environmental impact of asbestos and other air toxics, include: project management; development of social/casual games and social media marketing; environmental enterprise system development/implementation; environmental policy planning and regulatory analysis; business development; and creating and managing project teams engaged in solving complex environmental issues/problems that draw on his environmental engineering, project management and information technology skills and public/private sector experience.

He is also a leading expert on: evaluating the risks associated with ambient exposure to relatively low concentrations of asbestos in the general environment, particularly exposure that might have occurred during the 1970 – 1990 time period; asbestos emissions from various industrial facilities and other sources; asbestos control technology; the relationship between ambient asbestos exposure and mesothelioma incidence in the general population; and ambient air asbestos surveys, including collection and measurement methodologies.

EDUCATION:

Ph.D., Environmental Engineering, University of Connecticut, 1976-1985 (Incomplete; all requirements completed except dissertation).

M.S., Environmental Engineering (Civil, Sanitary/Water & Wastewater Treatment and Water Resource Management), University of Connecticut, 1974.

M.S., Engineering Science/Applied Mechanics, Rensselaer Polytechnic Institute of Connecticut, Hartford Graduate Center, Hartford, CT, 1971.

Bachelor of Engineering (B.E.) Civil/Sanitary Engineering (C.E.), City College of New York (CCNY), 1968.

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS:

Registered Professional Engineer, New York (053133) (currently inactive).

EXPERIENCE:

Founder, President & CEO, Datazoid Inc., Granite Bay, CA, 1997-Present.

Consultant, General Electric Corp., 2014 – present.

Consultant, Rogers Corporation, 2017.

Partner & Founder, Aguafas, 2013 (Corporation is no longer active).

Operations Manager, Digital PlaySpace, 2009-2013.

Technical Expert/Lead Assessor- ANSI Greenhouse Gas Accreditation Program, Washington, D.C., 2008-Present.

Senior Staff Engineer, Radian International, LLC, Sacramento, CA, 1990-1997.

Director, Air Compliance Unit, Connecticut Department of Environmental Protection, 1978-1990.

Adjunct Lecturer, The Hartford Graduate Center, Department of Environmental Science & Technology, 1978-1984.

Senior Engineer, Air Compliance Unit, Connecticut Department of Environmental Protection, 1972-1978.

Consultant, American Public Health Association, 1977.

Consultant, Mueller Associates, Engineering Consultants, Silver Removal/Capture from Wastewater, 1971.

Senior Engineer, Pratt & Whitney Aircraft, 1968-1971.

FIELDS OF EXPERIENCE:

Mr. Bruckman is a Registered Engineer, and President/CEO & Founder of Datazoid Inc.

Business Development

Founder and President/CEO of **Datazoid Inc.**, a virtual information technology (IT) an environmental services consulting firm that provides high quality project management and related IT and environmental services for public and private sector clients. We are recognized for our outside-of-the-box conceptualizing, vision, innovation and tireless pursuit of quality. Datazoid has established close working relationships with a number of teaming partners. These firms possess a variety of diverse, but complementary skills and expertise in using the latest tools and emerging technologies to solve various environmental and other technical problems. This allows Datazoid to assemble virtual "best-of-breed" project teams to cost effectively meet the systems integration and related IT, and environmental needs of its customers.

Partner and Founder of **Aguafas** (no longer active), a new type of company that seeks to unite a community's key water stakeholders (citizens, utilities, business and government) around a common mission of providing clean water to all. Aguafas worked at all levels, from grassroots organizations to the highest reaches of business and government, to ensure that the communities water needs are fully understood and any related water projects are cost-efficient and treat all levels of society in an equal and just manner. Aguafas' clients ranged from public/private utilities, international finance organizations, local and national governments, concerned business association, and non-profit service/advocacy organizations. On every project, Aguafas sought to incorporate world-class water specialists, state-of-the-art technologies, innovative financing and training programs, and community-based communication campaigns.

Social Games/Social Media Marketing

Mr. Bruckman served as Digital Playspace Operations Manager for a new social/casual game developer that creates online games that integrate with various social networking sites, e.g., Facebook, and that can be used to as public outreach tools to entertain, engage and educate constituents on different environmental, and social issues e.g., water conservation, energy conservation, climate change, etc.

He developed **#Water Social>Conservation**, a new "gamified" social platform developed specifically to promote/"market" water conservation and other "causes", e.g., energy conservation. #Water Social>Conservation helps users discover the whys and wherefores of water conservation and efficiency measures using social gaming and networking, tracks how implementing those measures will reduce their actual water usage, shares those actions they have undertaken to conserve water, and connects them with their friends to encourage/educate their friends about the need to conserve water and provide everyone with a clean reliable sustainable supply of drinking water. The goal of #Water Social>Conservation is to not just modify behavior but fundamentally change it in a measurable and lasting way, regarding the benefits of conserving water by engaging and bringing together all of the key stakeholders involved in all aspects of ensuring that everyone has access to a reliable affordable and sustainable supply of clean water.

#Water Social>Conservation includes a social networking platform that will allow entities that offer products/services, i.e., “Brands” to encourage third parties, i.e., consumers, with no direct financial interest in the Brand to use social media to promote that Brand to others, i.e., other consumers, due in part to the brand’s participation in promoting a cause, e.g., water conservation. An integral component of Aguafas’ #Water Social>Conservation is our social gaming engine that can be used to develop both simple and more complex games that promote both participating Brands and a particular cause, e.g., water conservation, and which will be used to develop the water conservation social casual game described herein, which is based upon a room design play experience.

In addition, the platform incorporates tools that tracks actual water usage and, therefore, allow players who convert their virtual game activities into real actions to reduce water consumption, to track their actual “before and after” water use, receive rewards from participating green businesses for their efforts, and compare their water consumption to those of their neighbors.

Government

Mr. Bruckman served as the long-term Director of the Air Compliance Unit of the Connecticut Department of Environmental Protection. He was responsible for developing, implementing, and administering all aspects of Connecticut’s air pollution control program with an annual budget of several million dollars. He managed over 100+ technical and administrative personnel engaged in the enforcement of air pollution abatement regulations, issuance of permits for new business and industry, monitoring and modeling of air quality, and associated technical and fiscal support functions.

Mr. Bruckman designed, developed, and implemented an integrated, computerized Environmental Information System (EIS), which provided separate subsystems and linkages among permit, enforcement, monitoring, emissions inventory, and toxic emission reporting activities.

He also initiated one of the nation’s first electric vehicle programs.

Prior to becoming the Director of the Air Compliance Unit, Mr. Bruckman served as a senior air pollution control engineer specializing in the development and implementation of ambient air toxics programs, including but not limited to asbestos, lead and cadmium.

GHG/Climate Change Issues (Selected Projects)

Mr. Bruckman serves as a Technical Expert for the American National Standards Institute (ANSI) Greenhouse Gas Accreditation Program. His responsibilities include: (i) evaluate the competence and integrity of GHG Verification/Validation bodies against the accreditation criteria published by ANSI; (ii) review activities of the bodies from impartiality of the organization to the competence of its staff; and (iii) observe and conduct discussions at all levels of management and technical areas, and witness validation/verification activities conducted by bodies.

He served as Datazoid Principal Investigator for a project to provide a menu of options on how to integrate and “harmonize” greenhouse gas and criteria pollutant (i.e., Ozone and PM2.5) control strategies.

Mr. Bruckman served as Project Director for a study to design an automated system to assist the South Coast Air Quality Management District in implementing Project RECLAIM (Regional Clean Air Incentive Market). RECLAIM addresses both VOC and NOx emissions and was designed to allow some 2,000 facilities located in the South Coast Air Basin to buy and sell pollution credits. Sources covered by RECLAIM would no longer need a permit addressing every piece of equipment at a facility and its emission limit. Instead, a permit would contain a daily emissions cap for the entire facility. The cap was to decrease VOC emissions by 6% per year, and NOx emissions by 8% per year. The system was to be used by the District to determine compliance with the RECLAIM program through the implementation of an annual report and subsequent database of the associated information.

Asbestos in the Environment

Mr. Bruckman serves as Datazoid Consultant to the General Electric Corporation to evaluate the environmental impact of asbestos in general Bridgeport area, Connecticut.

He served as a Datazoid Consultant to the Rogers Corporation to evaluate the environmental impact of asbestos in Manchester, Connecticut.

Mr. Bruckman as Project Manager and Lead Engineer for a study to evaluate the environmental impact of asbestos in Connecticut, including the health risks posed to the general population by asbestos fibers in the outdoor ambient air, an inventory of asbestos emissions from various industrial facilities, and the development of a proposed asbestos ambient air quality standard.

He served as Project Manager and Lead Engineer for a study to determine the ambient air asbestos concentrations in Connecticut. This ambient air asbestos survey encompassed approximately 30 monitoring sites, including typical urban and rural background areas and locations contiguous to various facilities that manufactured asbestos-containing products and heavily trafficked roadways, e.g., toll plazas.

Mr. Bruckman served as Project Manager and Lead Engineer for a study to determine the relationship between asbestos exposure and mesothelioma incidence in Connecticut.

He served as a Consultant to the American Public Health Association on the environmental impact of asbestos in the general population.

Project Management (Selected Projects)

Mr. Bruckman served as Project Manager and Lead Engineer & Analyst for a number of projects to evaluate the environmental impact of asbestos and other airborne toxic pollutants.

Mr. Bruckman served as Radian Project Manager for a project to develop the Regional Air Pollutant Inventory Development System or RAPIDS, an enterprise database management system used to compile and manage a regional database of air toxics emissions data and estimates for the Great Lakes Commission and the Great Lakes States. RAPIDS used an innovative flexible attribute design that allowed users to expand and update the system to readily incorporate new requirements/functionality.

He served as Radian Task Leader responsible for the conceptual design of a new emissions modeling system (i.e., the Geocoded Emissions Modeling And Projections System or GEMAP). GEMAP was developed for use in the Lake Michigan Ozone Study (LMOS) and the San Joaquin Valley Air Quality Study/Atmospheric Utilities Signatures, Predictions and Experiments (AUSPEX) Regional Model Adaptation Project [SARMAP]. GEMAP was used to prepare day-specific and future-year gridded, temporally and chemically resolved emissions estimates for input into a photochemical grid model. Mr. Bruckman was also Assistant Project Director for the LMOS EMS project. His responsibilities included implementing the EMS designs for both the LMOS and SARMAP projects. He also served as Transportation Coordinator for the Lake Michigan Ozone Study (LMOS). Responsibilities included coordinating the development of travel demand estimates among the LMOS states for use in modeling motor vehicle emissions.

Mr. Bruckman served as Datazoid Project Manager for a project to develop a Worker's Portal for the California Department of Industrial Relations (DIR).

He served as Datazoid Project Manager for a project to redesign the Web site for the California Public Utility Commission (CPUC). This project also involved developing a Calendar Application and a Web document publishing system.

Mr. Bruckman served as Datazoid Project Manager for a project to prepare a user needs/requirements analyses for an enterprise system for the New Mexico Air Quality Bureau.

He served as Datazoid Senior Analyst for a project to develop an electronic permit application system for the Iowa Department of Natural Resources (IDNR). The new system provided Iowa industry with the electronic capability to submit construction and operating permit forms to IDNR, and to electronically access the supporting documentation images (TIFF files, AutoCAD drawings, MSWord documents, etc.). The new system also enabled the general public to access non-confidential permit-related information over the Internet. The new system allowed Iowa industry and their consultants to prepare either a Construction or Title V Operating Permit application and electronically submit the associated forms and supporting documentation to the IDNR Air Quality Bureau. The resulting data can later be imported into IDNR's enterprise database management system.

Mr. Bruckman served as Datazoid Principal Investigator for a project to design a computerized emissions trading system for the Illinois Environmental Protection Agency Bureau of Air Quality.

He served as Datazoid Project Consultant for a project to enhance the Regional Air Pollutant Inventory Development System (RAPIDS) to include a mobile source component.

Mr. Bruckman served as Project Consultant/Peer Reviewer for a Radian project to develop an information systems strategic plan for the Texas Natural Resource Conservation Commission (TNRCC) Office of Air Quality. This project included a review of the resource utilization of management information systems and staff.

He served as Radian Project Manager for a project to develop an imaging/workflow system for the Iowa Department of Natural Resources (IDNR) to assist them in processing their Title V Operating Permit applications.

Mr. Bruckman served as Radian Project Manager for a project to map information from the Minnesota Pollution Control Agency's (MPCA) inventory system into RAPIDS. This mapping effort started with AIRS/AFS transaction records, which were then converted into RAPIDS format.

He served as Radian Project Manager for a project to map information from the Michigan Department of Natural Resources (MDNR), Air Quality Division (AQD) inventory system into RAPIDS.

Mr. Bruckman served as Radian Project Manager for a project to extend the RAPIDS system for the Michigan Department of Natural Resources (MDNR), Air Quality Division (AQD) to accommodate Title V permitting activities, including permit requirements/conditions, and record keeping, reporting and enhanced monitoring. As part of this effort, Radian was to develop an Electronic Application Interface (EAI) to allow industry to electronically submit their Title V applications to MDNR.

He served as Radian Project Manager on a project to use the RAPIDS system to develop an integrated air emissions and report system for the Louisiana Department of Environmental Quality (LDEQ), Air Quality Division (AQD). This derivative of the RAPIDS system, known as AES, was to accommodate both criteria and air toxics emissions data and estimates, and be capable of converting AES data into AIRS AFS transaction records.

Mr. Bruckman served as Radian Project Manager on a project to extend the RAPIDS system to store and manage agricultural data.

He served as Radian Project Director for a project to assist the Illinois Environmental Protection Agency (IEPA), Division of Air Pollution Control (DAPC), in developing an enterprise environmental database management system – the Integrated Comprehensive Environmental information MANagement system (ICEMAN).

Mr. Bruckman served as Project Director for a study to develop an integrated air emissions and reporting system (AES) for the Louisiana Department of Environmental Quality (LDEQ) Air Quality Division (AQD). AES

was designed to be a combined toxic and criteria pollutant emission inventory system capable of converting emissions data and estimates into AFS and AMS transaction formats. He served as Project Director for the development of an interim emissions inventory system for LDEQ AQD that was to be used until the AES development effort was completed.

He served as a Datazoid project manager for a project to develop and implement a number of stored value prepaid debit card programs.

Mr. Bruckman served as a consultant to a start-up international consumer-to-consumer money transfer business, assisting the development/implementation of the supporting suite of Web-based applications.

He served as Datazoid Project Manager for a project to perform various database maintenance activities for the CalPIN Internet database/Web site.

Mr. Bruckman served as consultant to a start-up dot.com firm that is developing a subscriber-based Enterprise Knowledge Portal (EKP) for the Environmental Health and Safety professional that utilizes the latest search engines and text mining tools.

Air Quality Resource Management - Mobile Source Control Strategy Development, Emission Inventory Development and Policy, Planning and Regulatory Analyses (Selected Projects)

Mr. Bruckman served as Project Director for a study whose primary objective was to develop a Protocol document to guide the preparation of an air toxics emissions inventory for the eight states bordering the Great Lakes. An air toxic emission inventory quality assurance/quality control (QA/QC) Plan was prepared as part of this effort. An air toxics emission factor database management system for some 40+ target compounds was also developed. Possible emissions sources of the target compounds were identified.

He served as Radian Project Director for a study to review the motor vehicle (MV) emissions inventory methodology used by the South Coast Air Quality Management District (SCAQMD) to develop MV emissions estimates for use in the South Coast Air Quality Management Plan (AQMP). He also served as Radian Project Director for a study to develop a new MV source model to estimate MV emissions.

Mr. Bruckman served as Datazoid Project Manager for a project to evaluate the South Coast Air Quality Management District's (SCAQMD) business processes and associated computer applications used to process permits. The objective of this project was to recommend modifications and/or alternatives that will make the District's permitting process more efficient, effective and streamlined.

He served as Datazoid Project Manager for a project to prepare a work plan that will guide the regional Ozone 8-hr and PM Fine air quality standard attainment planning efforts for the Mid-Atlantic Regional Air Management Association (MARAMA)/MARAMA members.

Mr. Bruckman has served as Radian Project Director for a study that evaluated volatile organic compound (VOC) and nitrogen oxide (NOx) stationary source control measures for Sacramento County, California.

He served as Radian Project Director for a study that developed an air permitting strategy guidance document for Compressed Air Energy Storage (CAES) technology. This guidebook was developed for the Electric Power Research Institute (EPRI).

Mr. Bruckman served as Radian Project Director for a study to develop specific information and analytical methodologies to assist in the evaluation of the significance of NOx emissions in producing peak ozone levels in ozone non-attainment areas.

PROFESSIONAL SOCIETIES:

Session Chairman, "Air Toxics," New England Environmental Expo, 1990.

Member, Chemical Advisory Committee, Waterbury State Technical College, 1988.

Member, Governor's Task Force on Asbestos, Connecticut, 1978.

Member, Governor's Ridesharing Task Force, Connecticut, 1978.

Chairman, Membership and Training Committee (now the Public Education and Communications Committee), State and Territorial Air Pollution Program Administrators (STAPPA), 1988-1990.

STAPPA Representative, Standing Air Emissions Working Group (SAEWG), 1988-1990.

Chairman, Resources Recovery Subcommittee, Northeast States for Coordinated Air Use Management (NESCAUM), 1986-1988.

Board Member, STAPPA, 1986-1988.

President, NESCAUM, 1986.

Guest Lecturer- University of Connecticut; Central Connecticut State College; and Northwestern Connecticut Community College; Waterbury State Technical College.

1984 CACC Chairman's Award, American Lung Association of Connecticut.

Environmental Protection Agency Fellowship, University of Connecticut, 1971.

PRESENTED TECHNICAL PAPERS AT THE FOLLOWING CONFERENCES:

NAMVECC '93.

Annual Meeting of the Transportation Research Board, 1993.

USEPA/Air and Waste Management Association/International Symposium- "Measurement of Toxic and Related Air Pollutants," 1993.

American Society of Civil Engineers/"Transportation and Air Quality Planning II," 1993.

The 3rd Annual CRC-APRAC On-Road Vehicle Emissions Workshop, 1992.

USEPA/Air and Waste Management Association Specialty Conferences, "Emissions Inventory Issues in the 1990s," 1991; "Emission Inventory Issues," 1992; "The Emission Inventory: Perception and Reality", 1993; "The Emission Inventory: Applications and Improvement," 1994; and "Computing in Environmental Management," 1994 and 1996.

Air and Waste Management Association, Golden West Section, 1991 and 1992.

SAS Users' Group International Conference, 1989.

New England Environmental Expo, "Developing a Statewide Air Toxics Program," 1989, and "Comparison of 1987 and 1988 TRI Data in Connecticut," 1990.

Air Pollution Control Association, New England Section, "Air Toxics '86," 1986, and "VOC and Ozone," 1988.

NESCAUM Symposium, "The Use of Biological Tests in Evaluation of Ambient Air Pollutants: Implications for Regulatory Agencies," 1988.

Air Pollution Control Association, Technical Meeting, Mid-Atlantic States Section, "Monitoring and Control of Toxics and Criteria Pollutants - the State of the Art," 1988.

STAPPA/ALAPCO/EPA Toxics Workshops, 1987.

Waterbury State Technical College, "Emerging Environmental Issues Seminar," presentation of Connecticut's Hazardous Air Pollutant Program, April 6, 1987.

National Environmental Health Association's 50th Annual Educational Conference, "Progress in Environmental Health Through Science, Technology and Law," presentation of Connecticut's Hazardous Air Pollutant Program, Hartford, CT, June 14-18, 1986.

STAPPA/ALAPCO Air Toxics Conference, 1986.

New England Regional Waste Tire Conference, 1986.

Air Pollution Control Association, Technical Meeting, Northeast Atlantic International Section, 1978.

National Bureau of Standards/U.S. Department of Commerce "Workshop on Asbestos: Definitions and Measurement Methods," 1977.

American Public Health Association's Advisory Panel on Asbestos, 1977.

Joint Conference on Applications of Air Pollution Meteorology, sponsored by the American Meteorological Society and the Air Pollution Control Association, 1977.

Fourth Joint Conference on Sensing of Environmental Pollutants, 1977.

Air Pollution Control Association, Specialty Conference, "Measurement Accuracy as it Relates to Regulation Compliance," 1976.

67th, 68th, 70th, 71st, 80th, 84th, 85th, 86th and 87th Annual Meetings of the Air and Waste Management Association (formerly the Air Pollution Control Association).

PUBLICATIONS (Total Number of Publications= 66):

Bruckman, L., The Environmental Impact of Cadmium, Master of Science Thesis, University of Connecticut, Storrs, CT, 1973.

Lepow, M. L., L. Bruckman, R. Rubino, S. Markowitz, M. Gillette, and J. Kapish, "Role of Airborne Lead in Increased Body Burden of Lead in Hartford Children," Environ. Health Perspect., May 1974, pp. 99-102.

Bruckman, L. and R. Rubino, "Rationale Behind a Proposed Asbestos Air Quality Standard," presented at the 67th Annual Meeting of the Air Pollution Control Association, Denver, CO, June 9-11, 1974; J. Air Pollut. Cntr. Assoc., 25:1207-15, 1975.

Bruckman, L. and T. Helfgott, An Activated Carbon Process for Silver Removal, University of Connecticut, Department of Civil Engineering, C. E. Report #75-91, Storrs, CT, May 1975.

Bruckman, L., Asbestos: An Evaluation of Its Environmental Impact in Connecticut, internal report issued by the Connecticut Department of Environmental Protection, Hartford, CT, March 12, 1976.

Rubino, R., L. Bruckman, and J. Magyar, "Ozone Transport," presented at the 68th Annual Meeting of the Air Pollution Control Association, Boston, MA, June 15-20, 1975, J. Air Pollut. Cntr. Assoc., 26:972-5, 1976.

Bruckman, L., R. Rubino, and T. Helfgott, "Rationale Behind a Proposed Cadmium Air Quality Standard," presented at the 68th Annual Meeting of the Air Pollution Control Association, Boston, MA, June 15-20, 1975.

Rubino, R., L. Bruckman, A. Kramar, W. Keever, and P. Sullivan, "Population Density and Its Relationship to Airborne Pollutant Concentrations and Lung Cancer Incidence in Connecticut," presented at the 68th Annual Meeting of the Air Pollution Control Association, Boston, MA, June 15-20, 1975.

Lepow, M.L., L. Bruckman, M. Gillette, R.A. Rubino, and J. Kapish, "Investigations into Sources of Lead in the Environment of Urban Children," Environ. Res., 10:415-26, 1975.

Bruckman, L., E. Hyne, and P. Norton, "A Low Volume Particulate Ambient Air Sampler," presented at the APCA Specialty Conference entitled "Measurement Accuracy as It Relates to Regulation Compliance," New Orleans, LA, October 26-28, 1975, APCA publication SP-16, Air Pollution Control Association, Pittsburgh, PA, 1976.

Bruckman, L. and R. Rubino, "High Volume Sampling Errors Incurred During Passive Sample Exposure Periods," J. Air Pollut. Cntr. Assoc., 26:881-3, 1976.

Bruckman, L., R. Rubino, and B. Christine, "Asbestos and Mesothelioma Incidence in Connecticut," J. Air Pollut. Cntr. Assoc., 27:121-6, 1977.

Bruckman, L., Suspended Particulate Transport in Connecticut: An Investigation into the Relationship Between TSP Concentrations and Wind Direction in Connecticut, internal report issued by the Connecticut Department of Environmental Protection, Hartford, CT, December 24, 1976.

Bruckman, L. and R. Rubino, "Monitored Asbestos Concentrations in Connecticut," presented at the 70th Annual Meeting of the Air Pollution Control Association, Toronto, Ontario, June 20-24, 1977; J. Air Pollut. Cntr. Assoc., 28:1221-26, 1978.

Bruckman, L., "Suspended Particulate Transport," presented at the 70th Annual Meeting of the Air Pollution Control Association, Toronto, Ontario, June 20-24, 1977.

Bruckman, L., "A Study of Airborne Asbestos Fibers in Connecticut," presented at the "Workshop on Asbestos: Definitions and Measurement Methods," sponsored by the National Bureau of Standards/U.S. Department of Commerce, July 18-20, 1977.

Bruckman, L., "Monitored Asbestos Concentrations Indoors," presented at The Fourth Joint Conference of Sensing Environmental Pollutants, New Orleans, LA, November 6-11, 1977.

Bruckman, L., "Suspended Particulate Transport: Investigation into the Causes of Elevated TSP Concentrations Prevalent Across Connecticut During Periods of SW Wind Flow," presented at the Joint Conference on Applications of Air Pollution Meteorology, Salt Lake City, UT, November 28- December 2, 1977.

Bruckman, L., "Investigation into the Causes of Elevated SO₂ Concentrations Prevalent Across Connecticut During Periods of SW Wind Flow," presented at the 71st Annual Meeting of the Air Pollution Control Association, Houston, TX, June 25-29, 1978.

Bruckman, L., "Transport of Particulates," presented at the Fall Technical Meeting of the Northeast Atlantic International Section of the Air Pollution Control Association, Hartford, CT, October 18, 1978.

Bruckman, L., R. Rubino, and J. Gove, "Connecticut's Approach to Controlling Toxic Air Pollutants," presented at STAPPA/ALAPCO Air Toxics Conference, Washington, DC, October 15-17, 1986.

Bruckman, L., M. Sanyal, W. McMurray, R. Rubino, J. Magyar, J. Gove, and T. McKinley, "Use of Bioassays in Monitoring Air Quality in Connecticut's Hazardous Air Pollutant Control Program," presented at 80th Annual Meeting of APCA, New York, NY, June 21-26, 1987.

Bruckman, L., R. Rubino, and J. Gove, "Decision-Making Process Used in the Development of Connecticut's Hazardous Air Pollutant control Program," presented at STAPPA/ALAPCO/EPA Toxics Conference, Research Triangle Park, NC, Kansas City, MO, Boston, MA, and San Francisco, CA, 1987.

Dodge, C. and L. Bruckman, "Future Directions in the Use of Continuous Emission Monitoring: Concepts of Connecticut's CEM Program," presented at the Fall Meeting of the New England Section of the Air Pollution Control Association, Providence, RI, October 28-29, 1987.

Hunt, G., B. Maisel, M. Hoyt, Y. Tondeur, S. Whittemore, and L. Bruckman, "Monitoring Methodology for the Determination of 2,3,7,8-Substituted PCDDs/PCDFs at FG/M3 Concentrations in the Ambient Atmosphere," Poster Session presented at the Dioxin 1988 Symposia, Umea, Sweden, August 21-26, 1988.

Bruckman, L., R. Rubino, J. Gove, K. Crossman, and T. McKinley, "Applications of Biological Monitoring to Air Pollution Control Regulation," presented at NESCAUM Symposium, "The Use of Biological Tests in Evaluation of Ambient Air Pollutants: Implication for Regulatory Agencies," Princeton, NJ, September 14, 1988.

Bruckman, L. and R. Soj, "An Integrated Environmental Information System (EIS) Implemented with SAS7/BASE, FSP, AF, and OR," presented at the 14th Annual SAS7 Users' Group International Conference, San Francisco, CA, April 9-11, 1989.

Bruckman, L., "An Overview of Connecticut's Air Pollution Control Program for Dioxin and Furan Emissions," Poster Session presented at the Dioxin 1989 Symposia, Toronto, Canada, September 17-22, 1989.

Soj, R. J. and L. Bruckman, "A SAS Based Information Subsystem," presented at the Annual North American Data General Users' Group Conference, New Orleans, LA, September 18-21, 1989.

Hultman, M. H. and L. Bruckman, "NO_x Control Alternatives in New Source Review for New Power Production Technologies," presented at Fall Meeting of the New England Section of the Air and Waste Management Association, Enfield, CT, October 24-25, 1989.

Bruckman, L., W.F. Simpson, and E. Knight, "Comparison of 1987 and 1988 TRI Data in Connecticut," presented at the 1990 New England Environmental Expo, Boston, MA, April 10-12, 1990.

Bruckman, L. "The Clean Air Act Amendments of 1990: Air Toxics Issues- New Requirements for New Sources," presented at Meeting of the Golden West Section of the Air and Waste Management Association, San Francisco, CA, February 20, 1991.

Bruckman, L., R.J. Dickson, and W.A. Ivey, "The Use of GIS Software in the Development of Emissions Inventories and Emissions Modeling," presented at the 84th Annual Meeting of the Air and Waste Management Association, Vancouver, Canada, June 16-21, 1991.

Dickson, R.J., J.G. Wilkinson, L. Bruckman, and T.W. Tesche, "Conceptual Formulation of the SARMAP Emissions Modeling System," presented at the 84th Annual Meeting of the Air and Waste Management Association, Vancouver, Canada, June 16-21, 1991.

Bruckman, L., E.L. Dickson, and P.K. Brooks, "Description of a New Motor Vehicle Emissions Model (MoVEM)," presented at the USEPA/AWMA Specialty Conference "Emission Inventory Issues in the 1990s," Durham, NC, September 10-12, 1991.

Bruckman, L., "Using the TIGER/Line Files, Census Summary Data and GIS Software to Develop Emission Estimates," presented at the USEPA/AWMA Specialty Conference "Emission Inventory Issues in the 1990s," Durham, NC, September 10-12, 1991.

Bruckman, L. and J.G. Wilkinson, "Conceptual Design of the LMOS Emissions Modeling System," presented at the USEPA/AWMA Specialty Conference "Emission Inventory Issues in the 1990s," Durham, NC, September 10-12, 1991.

Bruckman, L., C.A. Cioni, R.D. Ricks, and R.L. Leonard, Evaluation of Stationary Source Control Strategies for Sacramento County, California, 264-108-06-01, Radian Corporation, Sacramento, CA, September 27, 1990.

Bruckman, L., E.L. Dickson, and W.R. Oliver, Conceptual Design of a New Motor Vehicle Source Model, 264-136-01-00, Radian Corporation, Sacramento, CA, June 14, 1991.

Bruckman, L. and E.L. Dickson, Evaluation of the On-Road Motor Vehicle Emissions Inventory for the South Coast Air Basin, 231-130-07-01, Radian Corporation, Sacramento, CA, June 26, 1991.

Oliver, W.R., K.K. Mayenkar, R.J. Dickson, and L. Bruckman, "Development of Emissions Data to Address Regional Haze in the Southwestern United States," presented at the Regional Haze Workshop, Scottsdale, AZ, December 10-12, 1991.

Bruckman, L., et al., Illinois Environmental Protection Agency Point Source Emissions Inventory Quality Assurance/Quality Control (QA/QC) Plan, 298 017 28 06, Radian Corporation, Sacramento, CA, January 17, 1992.

Bruckman, L. and E.L. Dickson, "Evaluation of the On-Road Motor Vehicle Emissions Inventory for the South Coast Air Basin," presented at Meeting of the Golden West Section of the Air and Waste Management Association, San Mateo, CA, March 11-12, 1992.

Dickson, E.L. and L. Bruckman, "SARMAP Emissions Modeling System Motor Vehicle Emissions Model Component," presented at the Meeting of the Golden West Section of the Air and Waste Management Association, San Mateo, CA, March 11-12, 1992.

Bruckman, L. and E.L. Dickson, "Development of Transportation Data for Use in Photochemical Grid Modeling," presented at the 85th Annual Meeting of the Air and Waste Management Association, Kansas City, MO, June 21-26, 1992.

Sadeghi, V.M., L. Bruckman, H.W. Balentine, et al., "Evaluation of the Efficacy of NO_x Controls in Ozone Nonattainment Areas Under Section 182(f) of the 1990 Clean Air Act Amendments," presented at the 85th Annual Meeting of the Air and Waste Management Association, Kansas City, MO, June 21-26, 1992.

Dickson, E.L. and L. Bruckman, "Conceptual Design of a Motor Vehicle Emissions Model Using Zonal-Based Transportation Model Output - CAL-MoVEM," presented at the 85th Annual Meeting of the Air and Waste Management Association, Kansas City, MO, June 21-26, 1992.

Oliver, W.R., R.J. Dickson, and L. Bruckman, "Development of the SCAQS High-Resolution Emissions Inventory: Assessment of Inventory Uncertainties," paper presented at the SCAQS Data Analysis Conference, July 21-23, 1992.

Dickson, E.L., L. Bruckman, and P.K. Brooks, "Producing Gridded, On-Road Vehicle Emissions Estimates Using the MoVEM Model," presented at the USEPA/AWMA Specialty Conference "Emission Inventory Issues," Durham, NC, October 10-12, 1992.

Bruckman, L., J.G. Wilkinson, and D. Kolaz, "Development of the Illinois Computerized Annual Emission Reporting System," presented at the USEPA/AWMA Specialty Conference "Emission Inventory Issues," Durham, NC, October 10-12, 1992.

Sadeghi, V.M., and L. Bruckman, "Evaluation of the Relationship Between UAM-IV Predicted NO_y and Ozone Concentrations in the San Diego Air Basin," paper presented at the AWMA Specialty Conference on Tropospheric Ozone, Boston, MA, October 1992.

Bruckman, L., V.M. Sadeghi, and C. Ratza, "Development of an Air Toxics Emission Factor Data Rating Criteria for the Great Lakes States," presented at the 86th Annual Meeting of the Air and Waste Management Association, Denver, CO, June 14-18, 1993.

Bruckman, L., J.G. Wilkinson, D.J. Radin, B. Leyden, C. Marlia, and R. Lewis, "Conceptual Design of the Computerized Annual Permit Emissions Program (APEP) for the South Coast Air Quality Management District," presented at the 86th Annual Meeting of the Air and Waste Management Association, Denver, CO, June 14-18, 1993.

Nelson, L.P., L. Bruckman, K.L. Johnson, and B.R. Mehta, "Permitting of Compressed Air Energy Storage Plants," presented at the 86th Annual Meeting of the Air and Waste Management Association, Denver, CO, June 14-18, 1993.

Bruckman, L. and W.R. Oliver, "Development of the Enhanced Geocoded Emissions Modeling And Projections (Enhanced GEMAP) System," presented at the USEPA/AWMA Specialty Conference "The Emission Inventory: Perception and Reality," Pasadena, CA, October 18-20, 1993.

Grisinger, J.E. and L. Bruckman, "Development of General Purpose Device-based Data Model for Stationary Emission Sources," presented at the USEPA/AWMA Specialty Conference "The Emission Inventory: Perception and Reality," Pasadena, CA, October 18-20, 1993.

Bruckman, L., "Overview of the Enhanced Geocoded Emissions Modeling And Projections (Enhanced GEMAP) System," Poster Session presented at the Regional Photochemical Measurement & Modeling Studies Conference, San Diego, CA, November 8-12, 1993.

Bruckman, L. and E.L. Dickson, "Motor Vehicle Emissions Modeling and Transportation Project Conformity," presented at NAMVECC '93, Austin, TX, December 6-8, 1993.

Bruckman, L., J.E. Grisinger, D.J. Radin, and C. Ratza, "Overview of the Regional Air Pollutant Inventory Development System," prepared for the OECD Workshop "Usefulness of Instituting a National Pollutant Release and Transfer Register," Brussels, Belgium, January 24-26, 1994.

Bruckman, L., J.E. Grisinger, D.J. Radin and C. Ratza, "Development of the Regional Air Pollutant Inventory Development System (RAPIDS) for the Great Lakes Commission and the Great Lakes States," presented at the 87th Annual Meeting of the Air and Waste Management Association, Cincinnati, OH, June 19-24, 1994.

Bruckman, L., J.E. Grisinger, D.J. Radin and C. Ratza, "Overview of the Regional Air Pollutant Inventory Development System (RAPIDS) and Using RAPIDS to Electronically Transfer Data Between Industry and Regulatory Agencies Over the Internet," presented at the Air and Waste Management Association Specialty Conference, "The Emission Inventory: Applications and Improvement," Raleigh, NC, November 1-3, 1994.

Bruckman, L., J.E. Grisinger, D.J. Radin and C. Ratza, "Development of a Client/Server Enterprise Environmental Data Management System," presented at the Air and Waste Management Association Specialty Conference, "Computing in Environmental Management," Raleigh, NC, November 30-December 2, 1994.

J.E. Grisinger, L. Bruckman, D.J. Radin, A. Song and C. Ratza, "The Regional Air Pollutant Inventory Development System (RAPIDS) - Overview of the Emission Estimation Client Application," presented at the 88th Annual Meeting of the Air and Waste Management Association, San Antonio, TX, June 18-23, 1995.

Bruckman, L., J.E. Grisinger and C. Ratza, "Development of a Protocol to Guide the Preparation of a Regional Air Toxics Emission Inventory for the Great Lakes Commission and the Great Lakes States," presented at the 88th Annual Meeting of the Air and Waste Management Association, San Antonio, TX, June 18-23, 1995.

Bruckman, L., J.E. Grisinger and D.J. Radin, "Using the Regional Air Pollutant Inventory Development System (RAPIDS) to Calculate Toxic Emissions From Selected Area Source Categories for the HASTE Project," presented at the Air and Waste Management Association Specialty Conference, "The Emission Inventory: Programs and Progress," Research Triangle Park, NC, October 11-13, 1995.

Bruckman, L., S. Strasser, S. Jeng, R. Walsh. R. Fleming and G. Welch, "A Description of the IDNR Title V Operating Permit Record Management (Imaging) System (RMS)," presented at the Air and Waste Management Association Specialty Conference, Computing in Environmental Resource Management, Raleigh, NC, December, 1996.