
JUDSON L. KENOYER, CHP, CIH
Senior Health Physicist/Senior Industrial Hygienist

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Specializing in Occupational and Environmental Health Sciences

EDUCATION/QUALIFICATIONS

M.S., Radiological Physics, San Diego State University, 1975

B.S., Physics, San Diego State College, 1972

A.A., Mathematics-Science, MiraCosta College, 1969

American Board of Health Physics (Comprehensive) (1986); Recertified 1990; 1994; 1998; 2002; 2006

American Board of Industrial Hygiene (Radiological Aspects) (1991); Recertified 1997, 2002, 2007

California Teaching Credential (1978)

Hazardous Waste Operations Training (1992 – 1996, 2001, 2005 – 2007)

FEMA Emergency Management Institute Certifications (IS-100, Incident Command System; IS-200, ICS for Single Resources and Initial Action Incidents; IS-700, National Incident Management System; IS-800, National Response Plan) (2007)

PRESENT POSITION

Project Manager; Senior Health Physicist/Senior Industrial Hygienist, Dade Moeller & Associates, Inc.

PROFESSIONAL SUMMARY

Mr. Kenoyer has worked in the Health Physics and Industrial Hygiene fields for 33 years and has provided management, technical leadership, and assistance in several related areas at Dade Moeller & Associates, Battelle, Science Applications International Corporation, and the University of California at Irvine. His experience emphasizes line, project and program management, operational health physics and industrial hygiene, radiation protection instrumentation calibration and performance testing, occupational safety, generation and characterization of complex pollutant atmospheres, inhalation toxicological studies, and emergency preparedness. He is certified by both the American Board of Health Physics and the American Board of Industrial Hygiene.

EXPERIENCE AND ACCOMPLISHMENTS

2001 – Present *Dade Moeller & Associates, Inc.*

Mr. Kenoyer has been involved in several different project management roles and technical areas while at Dade Moeller & Associates. These include the following:

- **Radiation Safety Program Support to a Major Health Care Provider.** Since July 2007, Mr. Kenoyer has performed as the Project Manager and contributed to the successful efforts of a contract supporting a DC-area major health care provider. He, with the help of another CHP in the company, provided radiation safety program support over several months. The focus was on the diagnostic x-ray segment of the overall program of the health care provider. The project consisted of three main tasks:
 - Evaluating a potential large-scale exposure of an individual at one facility,

- Reviewing the current Health Care Provider's Radiation Safety Program and its oversight of programmatic health physics issues, and
- Developing and implementing a radiation safety training program for over 400 employees (administrative and technical).
- **Project Management of Contract for the Office of Health, Safety and Security (HS-20), U.S. Department of Energy (DOE) Headquarters.** Since February 2007, Mr. Kenoyer has performed as Project Manager of the contract supporting HS-21, Office of Nuclear Safety and Environmental Policy, and HS-22, Office of Nuclear Safety and Environmental Assistance. These two organizations were established through a reorganization of the EH-41 group, Office of Environmental, Safety and Health. There are currently approximately 20 active tasks with an annual funding of over \$350,000. Tasks cover a broad spectrum of health physics, nuclear safety, and environmental policy and assistance areas. Specific technical areas under this contract include the DOE Annual Site Environmental Report Summary Report of Radiological Doses and Releases; Technical Assistance for Pollution Prevention and Environmental Systems; Radiological Effluent Monitoring and Environmental Surveillance Guidance and Assistance; Regulatory Analysis, Guidance, Development, and Regulatory Compliance Assistance and Technical Support; Technical Assistance on Environmental Management Systems; and assistance with the development of the Nuclear Material Packaging Manual.
- **Technical Support to the Office of Environment, Safety and Health (EH-41) and the Office of Health, Safety and Security (HS-20), DOE Headquarters.** Since October 2005, Mr. Kenoyer has provided technical support to different EH-41 and HS-20 program managers. Specific projects have included the update of several reports published previously by DOE. These include the *Annual Site Environmental Report of Radiological Doses and Releases for 2002-2003*; a report on *Best Available Technology for Radiological Effluent Control (BATREC)*; Volume II of the *Radiation Protection Implementation Guide for Use with DOE 5400.5, ALARA (As-Low-As Reasonably-Achievable) Program Requirements*; and DOE/EH-0173T, *Environmental Regulatory Guide for Radiological Effluent Monitoring and Environmental Surveillance*.
- **Development and Review of Scenario of Participation and Radiation Exposure (SPARE) and Review of Dose Reconstructions for the Defense Threat Reduction Agency (DTRA) Dose Reconstruction Project.** Since April 2006, Mr. Kenoyer has performed and supervised others who performed quality assurance and quality control reviews of completed dose reconstructions for claimants in the Nuclear Test Personnel Review (NTPR) program operated by the DTRA. In addition, he has reviewed and supervised others who reviewed the SPARE for claimants in the NTPR program and developed SPARE templates for specific exposure scenarios.
- **Oak Ridge Associated Universities (ORAU) Project on Dose Reconstruction for the National Institute for Occupational Safety and Health (NIOSH).** From October 2002 to April 2006, Mr. Kenoyer provided technical leadership and contributed to the data reconstruction research task of the program that provides support to NIOSH to perform individual dose reconstructions for claimants under the Energy Employees Occupational Illness Compensation Program Act (EEOICPA), evaluated records relevant to Special Exposure Cohort petitions, and performed dose reconstruction research. From March 2003 through March 2006, he was the Manager of the Dose Reconstruction Research (Task 3) of the NIOSH project. He led the effort of approximately 120 personnel; the team consists of Dade Moeller & Associates personnel, partners (MJW Corporation and ORAU), and subcontractors. Task 3 has four subtasks: Site Characterization, Site Profile Development, Worker Outreach, and Coworker Data Development. The Site Characterization subtask involves identification of the locations of past DOE and

Atomic Weapons Employer (AWE) records; the acquisition or retrieval of those records; indexing and uploading of records to a Site Research Database and review of the records; and the distribution of the useful records to the developers of site profiles and to dose reconstructors. Site Profile Development includes the development, review, and finalization of Site Profile Documents that describe the DOE and AWE facilities involved in the EEOICPA program. These documents describe site facilities and the Medical, Environmental, Internal Dosimetry, and External Dosimetry programs for the sites. Worker Outreach involves the presentation of the site profiles to onsite personnel and the gathering and cataloging of comments for potential changes to the site profiles. Coworker studies were needed for some sites where site personnel were not monitored or no dosimetry data were available.

In addition, Mr. Kenoyer supported the dose reconstruction project in the area of identification and resolution of personnel and corporate conflicts of interest and attribution and annotation efforts for technical documents produced by the project. He continues to support the management of Task 3 through consultation on personnel, prioritization and resource identification of activities, budget, and technical issues.

- **Crosley Tower Project, University of Cincinnati (UC).** Mr. Kenoyer has been the project manager of this task since its inception in 2005. Phase I has been completed; it involved the identification and measurement of contaminated areas in Crosley Tower, a building on the UC campus in which research with the use of radioisotopes occurred. The building is scheduled to be demolished within the next 6 to 10 years. The radiological evaluation included 19 rooms and areas in the building. A team of Dade Moeller & Associates personnel made the measurements, documented the results, and reported the results to the UC staff. Phase II has begun and includes the development of a Decontamination and Decommissioning (D&D) Plan that uses the results from Phase I. It has included interaction with representatives from the Ohio Department of Health for guidance on the regulations, calculation of Derived Concentration Guidelines with the use of the RESRAD software, and the development (with Environmental Health and Engineering personnel) of the D&D plan for the effort. This effort included the development of a cost-benefit analysis of the options available to the University staff.
- **Residual Contamination at AWE Sites.** Mr. Kenoyer developed this work, teaming with Trinity Engineering, Inc., and has performed as the project manager for Dade Moeller & Associates. Work began in July 2005 and involves updates of an initial report by Trinity Engineering with the focus on finding new information on the presence of contamination levels at 34 AWE sites identified by NIOSH. A final report was delivered to the client in June 2006.
- **Support to the U.S. Environmental Protection Agency (EPA) Environmental Response Team (ERT).** Mr. Kenoyer was the Project Manager for the first 90 days of the contract. During that period, he helped the team (Dade Moeller & Associates and Tetra Tech EM, Inc.) assume the responsibilities for the support of EPA at the ERT effort in Erlanger, Kentucky. The main responsibilities for this task are the maintenance and calibration of more than 200 portable radiological and chemical instruments that could be used in the field if the ERT is deployed. The support to date has included the development of procedures for the EPA Radiation Playbook and the development and performance of an Advanced Radiological Training course for Region 3. Mr. Kenoyer developed and presented material on Airborne Radioactivity Sampling and Analysis, Gamma Spectroscopy, and Cleanup Technologies. He was key in the identification of the Certified Health Physicist who became the lead of the radiological aspects of the program. Mr. Kenoyer's involvement with this project will continue as support to future training sessions and on deployments as needed for technical support.

- **Assistance to the DOE Office of River Protection (ORP).** Mr. Kenoyer provided assistance to the DOE ORP in assessments of the Radiological Control Program and the Safety and Health Program implemented by the Hanford Site Tank Farm contractor (CH2M Hill Hanford Group, CHG). Tasks have included the evaluation of the Radiological Work Control Program, follow-up of a Workplace Air Monitoring Program Assessment, and development of a 3-year Radiological Control Assessment schedule for ORP. Other tasks have included surveillances of Gas/Vapor Issues, the Chemical Management Process, Personal Protection Equipment, and the Heat Stress Control Program. Mr. Kenoyer was also involved in the performance of a surveillance and development of corrective actions for a gasoline vapor exposure incident of personnel in the ORP Building.
- **Technical Support to T Plant.** Mr. Kenoyer performed work at T Plant on the Hanford Site in support of an effort to downpost the 221-T Canyon from an Airborne Area to a Surface Contamination Area. This involved the review of surface contamination, high-volume air sample, and lapel air sample data as well as the review and evaluation of the location of Continuous Air Monitors and past ventilation testing reports. An air sampling and contamination characterization plan based on criteria in NUREG-1400 and selected other criteria is being developed and will be implemented at the same time as a change management/public relations program for personnel in the facility.
- **Review of the Air Monitoring Program and Employee Uptake Incident at the West Valley Demonstration Project (WVDP).** Mr. Kenoyer assisted the West Valley DOE Office in the evaluation of the West Valley Nuclear Services Company Air Sampling and Monitoring Program and in the investigation of recent (2002) decontamination and deactivation activities at the WVDP Fuel Receiving and Storage facility related to possible causes of radiological uptakes by employees.

1996 – 2001

Battelle, Pacific Northwest National Laboratory (PNNL)

Mr. Kenoyer managed 23 personnel in the Dosimetry Research and Technology (DR&T) unit in the Radiation and Health Technology (R&HT) Group in the Environmental Technology Division. The work in this unit included support to Hanford Site contractors, other DOE-related work, work for other Federal agencies, and work for commercial clients. Projects included irradiation of dosimeters for National Voluntary Laboratory Accreditation Program and DOE Laboratory Accreditation Program accreditation; internal and external dose calculations; lung phantom manufacture and calibration; and development and/or enhancement of new dosimetry methods and equipment.

In 1999, Mr. Kenoyer became the Acting Manager of the R&HT Group. R&HT, with approximately 75 personnel, consisted of a very diverse group focused on Health Physics, Industrial Hygiene, and Occupational Safety for Hanford and external clients. Two-thirds of the group represented the Site-Wide Services aspect of R&HT and consisted of Dosimetry (External and Internal), Instrument Calibrations and Performance Testing, and Radiological Records. The rest of the group consisted of the DR&T unit and administrative personnel. Mr. Kenoyer also performed as the manager of DR&T during this interval.

Mr. Kenoyer was involved in the following technical areas:

- **Health Monitoring of Hanford Tank Farm Workers** Mr. Kenoyer was a key team member in a project involving PNNL, the Hanford Environmental Health Foundation, CHG, and the DOE ORP. The objectives of the project included the identification of potential worker exposure scenarios during routine and nonroutine events (including types and levels of source terms), current control mechanisms in place, and known health effects of specific chemicals identified as potential sources of exposure.

- **Worker Risk Methodology Development.** Mr. Kenoyer performed as task leader in support of the DOE Center for Risk Excellence in the development of worker risk methodology through the use of historical accident and incident data to predict potential risks for future projects. These relative risk factors included the influence of the status of Integrated Safety Management System programs; use of behavior-based safety concepts, hazard assessments, enhancements to safety programs, education, training, and experience of the workers; and use of lessons learned.
- **Analysis and Evaluation of Aerosol Exposure Data.** Mr. Kenoyer was an individual contributor to a U.S. Department of Defense-funded project that examined the potential type and level of aerosol exposures of tank personnel after specific munition penetrations of tanks. He was the lead analyst and evaluator of the particle size data for depleted uranium aerosols obtained with cascade impactors and activity concentrations measured by filter sampling.
- **Expansion of Industrial Hygiene (IH) Activities.** Mr. Kenoyer focused on the expansion of IH activities in the Health Protection Department, which included instrument performance testing (nonradiological); pursuance of Hanford IH work; calibration of measurement and test equipment; calibration of cascade impactors; establishment of regional (Pacific Northwest) contacts and potential teaming partners; and work for the semiconductor manufacturing industry.
- **Instrument Performance Testing.** Mr. Kenoyer pursued the establishment of performance testing criteria for nonradiological instrumentation through his membership on national committees [American Industrial Hygiene Association (AIHA) and American Conference of Governmental Industrial Hygienists], a Laboratory-Directed Research and Development project, and a relationship with NIOSH. He established specific capabilities to perform testing and calibration of gas and aerosol monitors and samplers in the Environmental Technology Division.
- **Transition Team Efforts for Field Dosimetry.** Mr. Kenoyer led a team of approximately 8 persons plus consultants to plan and initiate a transition process for the Field Dosimetry Group previously employed by Westinghouse Hanford Company (WHC) and Fluor Daniel Hanford. The work performed by the group that moved to PNNL included external and internal dosimetry functions including exposure records. The personnel were moved to the 300 Area and integrated into the organizational and functional structure of the Radiation Protection Services Group

1990 – 1996

Science Applications International Corporation (SAIC)

Mr. Kenoyer led technical projects and performed management duties. Technical work included projects related to worker health and safety, radiological protection, industrial hygiene, facility and program safety compliance assessments, emergency preparedness, facility effluent monitoring plans, field measurements for radioactive and nonradioactive materials and gases, particle sampling line-loss measurements, support to the Tank Farms Environmental Engineering Group, and support to the Health Physics Group at the 222-S Laboratory. Responsibilities as Division Manager included business development, technical and program management, line management, technical guidance and oversight, team building, and staff development. Mr. Kenoyer was involved in the following projects:

- **Operational Readiness Review at the Defense Waste Processing Facility (DWPF).** Mr. Kenoyer contributed to the performance of an Operational Readiness Review at the DWPF on the Savannah River Site. The review covered Industrial Hygiene and Occupational Safety. He assisted in the development of appropriate checklist items based on DOE Orders, Occupational Safety and Health Administration regulations, and appropriate health and safety standards; performed onsite walkdowns,

interviews, and program evaluations; and identified specific observations and findings related to programmatic and facility deficiencies.

- **Safety Compliance Assessments.** Mr. Kenoyer was a member of several assessment teams that evaluated the state of compliance of different aspects of the safety programs at facilities on the Hanford Site, which included the Plutonium Finishing Plant, T Plant, Solid Waste Disposal, and Tank Farms. He performed assessments against specific criteria in 29 CFR 1910 and DOE Orders on Industrial Hygiene, Hazard Communication, walking and working surfaces, compressed gases, confined spaces, carcinogen control, personal protective equipment, and respiratory protection.
- **Outdoor Workplace Air Sampling Program.** Mr. Kenoyer was the task leader and a contributor to a task for WHC that developed a set of criteria for the establishment of an outdoor workplace air sampling program. Developed guidance included the effect of wind velocity on resuspension factors, the type of air sampling equipment that could be used under potential exposure scenarios, and a decision tree that can be followed to determine the criteria that are applicable to specific exposure and environmental circumstances.
- **Facility Effluent Monitoring Plans (FEMPs).** Mr. Kenoyer was involved in the preparation and review of facility effluent monitoring determination plans for facilities on the Hanford Site and was the task leader in the preparation of the FEMP for the Tank Farm facilities. This FEMP included discussion of the FEMP requirements, a review of applicable regulations and standards, a description of the facilities, identification and characterization of potential source terms, a discussion of the facility effluent streams and characterization of those streams, a thorough description of the airborne and liquid effluent sampling and monitoring systems, a discussion on sample analyses methods and instrumentation, and an assessment of the compliance of the sampling and monitoring systems to the regulations, which included discussion of exemptions and system upgrades required for compliance.
- **Alpha Caisson Sampling and Monitoring.** Mr. Kenoyer contributed to the efforts of sampling radioactive and nonradioactive gases from four alpha caissons in the 200-West Area. He assisted in the development of the work plan that detailed specific sampling and monitoring steps and techniques used during the task. The main objective of the task was to obtain gaseous samples from the caissons and analyze the gases using real-time monitors for specific levels of hazardous and/or toxic gases. Measurements were made for levels of hydrogen, hydrogen chloride, hydrogen cyanide, nitric acid, hydrofluoric acid, nitric oxide/nitrogen dioxide, methane, oxygen, volatile organic compounds, and Lower Explosive Level (LEL).
- **Air Monitor Calibration and Line-Loss Study.** Mr. Kenoyer acted as the task manager on this multiyear project for WHC. It involved the evaluation of sampling and monitoring systems for airborne effluents. Specific deficiencies in these systems identified in the past included particle line loss quantification, potential proportional sampling errors, quantification of sampling/measurement system bias, and overall system calibrations. Measurement of particle size distributions from airborne effluent streams with cascade impactors and laser particle spectrometers was part of this task and these units were used to evaluate the line losses. Facilities on the Hanford Site at which measurements were made included PUREX, B Plant, and T Plant.
- **Tritium Measurements.** Mr. Kenoyer was the task leader on this project to obtain tritium concentration measurements from four Tank Farm stacks. SAIC/RADeCO sampling equipment was used to obtain multiple samples from the stacks. The samples were analyzed at the 222-S Laboratory. Calculations and interpretation of the results were performed for WHC by SAIC personnel.

- **DOE Moratorium on Waste Shipments.** Mr. Kenoyer contributed to a DOE Office of Waste Operations (EM-30) task related to the moratorium on the offsite shipment of hazardous waste. He was involved in the site-by-site evaluations of criteria, policies, and procedures that had to be conducted before the moratorium could be lifted. He assisted in the development of guidelines for these sites to meet the performance objectives of the task and in the development of exemption policy statements for specific cases that did not meet the intent of the moratorium issue.
- **WHC Tank Farm Environmental Engineering Support.** Mr. Kenoyer supported the WHC Tank Farm Environmental Engineering staff on a number of tasks, which included the performance of calculations to estimate the potential gaseous effluent release from Tank Farm stacks using methods described in 40 CFR, Appendix D, for release rates. Support efforts included the development of a method to measure the relative humidity in real time and to calculate the volumetric contribution of moisture in the effluent gas from a stack for inclusion in a site-wide procedure on stack flow rates.
- **Tank Farms Program Plan Upgrade.** Mr. Kenoyer was involved with a WHC Tank Farms Program Plan Upgrade task. The areas in which he contributed included contamination zone reduction efforts and other ALARA considerations. Specific Tank Farm areas where contamination existed were identified, possible procedures and efforts for the mitigation or termination of the migration of radioactive materials were discussed with WHC personnel, and the identified tasks were prioritized with regard to hazard level, funding and manpower requirements, and realistic obtainment of results in a timely fashion.

1980 – 1990

Battelle, Pacific Northwest Laboratory (PNL)

Mr. Kenoyer performed as individual contributor, task leader, project manager, and technical leader on a number of different health physics and industrial hygiene tasks. Selected experience includes the following:

- **Radiation Detection Instrumentation Calibration.** Between October 1986 and December 1990, Mr. Kenoyer provided leadership and management of the Hanford Portable Radiological Instrument Program to ensure fulfillment of the instrument needs of contractor radiation protection programs, including instrument calibration, maintenance, delivery, procurement and guidance on the proper application of various instrument types. Instruments calibrated at this facility included alpha, beta, and gamma survey instruments; neutron monitors; and continuous air monitors for alpha- and beta-emitting particulates. He provided technical guidance to the instrument program to ensure compliance with the requirements of applicable DOE Orders, prescribed standards, and PNL quality assurance policies. He supervised, coordinated, and prioritized the activities of instrument calibration technicians and specialists and directed the activities of instrument repair technicians who were responsible for the implementation of calibration, evaluation, and repair procedures. He developed, maintained, and performed training on procedures for instrument calibration and field use.
- **Radiation Detection Instrumentation Performance Testing.** From approximately July 1981 to October 1986, Mr. Kenoyer served as co-project manager and principal investigator in a research program that evaluated a series of draft ANSI standards on the performance specifications of portable radiation detection instruments under normal and extreme environmental conditions and of occupational airborne radioactivity monitoring instrumentation. He coordinated the purchase, establishment, and ongoing operation of several pieces of testing equipment used to evaluate the performance of different types of portable or semiportable instrumentation, which included two environmental chambers, an ambient pressure exposure chamber, vibration tables, shock testing

equipment, a radio frequency exposure system, and several instruments involved with the generation and characterization of aerosols.

- **Industrial Hygiene.** During 1989 and 1990, Mr. Kenoyer worked on projects related to Chemical Health Physics and Industrial Hygiene. He assisted in the onsite evaluation of PNL facilities under Industrial Hygiene evaluation criteria. He acted as co-project manager, task leader, and individual contributor to a project for Motorola, Inc., that required onsite evaluations of a semiconductor manufacturing plant and assisted in the identification of facility hazards and in the development of an overall sampling and monitoring strategy for the facility based on AIHA and NIOSH guidance criteria.
- **Health Physics Emergency Preparedness and Instrumentation.** From December 1980 through approximately 1982, Mr. Kenoyer studied the feasibility of using specific radiation monitors for measurement of the levels and types of radioisotopes that would be present in a reactor containment atmosphere after an accident and the evaluation of outdoor warning systems for use in the plume emergency planning zone surrounding nuclear power plants. During this time, he evaluated nuclear power plant emergency plans, participated in onsite emergency preparedness appraisals, and observed annual emergency preparedness exercises. Specific areas of health physics emergency preparedness programs reviewed included postaccident sampling techniques, procedures, and instrumentation (i.e., fixed monitors, portable instrumentation); in-plant sampling, offsite monitoring; program development and implementation; training; dose assessment and modeling; emergency response facilities; emergency kits; and first aid and decontamination techniques and procedures. He contributed to a project that studied the effect of small accidents on occupational exposure at nuclear power plants and the evaluation of fuel particles (i.e., fleas) released from containment.

1975 – 1980

University of California, Irvine

Mr. Kenoyer worked as a Staff Research Associate in the Department of Community and Environmental Medicine. He established the radiation safety program and coordinated all use of radioisotopes at the Air Pollution Health Effects Laboratory. Research areas in which he was involved included the labeling of polystyrene microspheres with chromium-51 for use as part of a diagnostic test for particle clearance, the performance of the particle clearance test in rats after exposure to pollutant atmospheres, and generation and characterization of complex pollutant atmospheres (i.e., mixtures or combinations of ozone, sulfur dioxide, nitrogen dioxide gases, and ammonium nitrate, ferric nitrate, sulfuric acid mist, ammonium sulfate, and ferric sulfate aerosols). During this period, Mr. Kenoyer gained experience with several types of aerosol generation and characterization methods and instrumentation as well as other types of Industrial Hygiene sampling and monitoring techniques and instrumentation.

Summer 1974

Inhalation Toxicology Research Institute

Mr. Kenoyer participated as a summer student at this research facility in Albuquerque, New Mexico. He gained experience in the generation and monitoring of aerosols.

AWARDS AND PROFESSIONAL AFFILIATIONS

Fellow of the Health Physics Society, 2002

Herbert M. Parker Award (Columbia Chapter of the HPS, 2002)

IEEE Acknowledgment for work on ANSI N42.17 Standard, 1990

AWU-AEC Fellowship, 1974

Physics Scholarship (San Diego State College, 1971)

California State Scholarship, 1969, 1970
Mathematics-Science Award (MiraCosta College, 1969)
Spartan Scholarship (MiraCosta College, 1967, 1968)

Health Physics Society. Mr. Kenoyer maintains membership at the local and national levels of the Health Physics Society. He has been a member at the national level for more than 25 years. He is currently a member of the HPS Support Committee and also the AAHP Title Protection and Professional Recognition Committee. He received a national HPS Presidential appointment as National Liaison specifically to the Industrial Hygiene community from 1998 to 2000. Mr. Kenoyer has served on the national-level Liaison Committee and the General and Continuing Education Committee (3-year terms on each). In 1991, he was Chairperson of the Professional Enrichment Program for the Annual HPS Meeting. On the local chapter level, Mr. Kenoyer is a member of the Baltimore-Washington Chapter of the HPS and is leading the effort to organize a group of volunteers as a First Responder Assistance Team working with county representatives. He has served as Past President of the Columbia Chapter (1993–1994), President (1992–1993), President-Elect (1991–1992), and Board Member (1988–1990). He is a past member and chair of the Scholarship and Education and Training Committee. He served as a member of the local Awards Committee for several years. Mr. Kenoyer served as Chair of the Professional Enrichment Program Committee for the 26th Midyear HPS Meeting in Coeur d’Alene, Idaho.

American Industrial Hygiene Association. Mr. Kenoyer maintains membership at the local and national levels of the Association. He has been a constant member since 1985. He is currently a member of the national Ionizing Radiation Committee. He was a member of the Aerosol Technology Committee from 1986 through 2007 and served as Committee Secretary in 1996, Vice Chair in 1997, and Chair in 1998. He served as Chair of the Outstanding Aerosol Paper Award Subcommittee of this Committee for several years (1992, 1993, 1995, 1996, 2000) and is currently a member of this Subcommittee.

American Conference of Governmental Industrial Hygienists. Mr. Kenoyer was a member of or a consultant to the Air Sampling Instruments Committee from 1988 through 2005. He has been a member of the society since 1995. He performed as a Session Arranger and Moderator of the Air Sampling Instrument Performance Technical Session (jointly sponsored by the AIHA Aerosol Technology Committee at the Annual American Industrial Hygiene Conference and Exposition) for 5 years.

PUBLICATIONS

Mr. Kenoyer has more than 45 publications in the form of articles in peer-reviewed journals, proceedings of national conferences, chapters in books, or major reports for governmental or commercial clients. In addition, he has more than 20 presentations at national professional conferences.

Open Literature – Books

Phalen, R. F., A. T. Ho, and J. L. Kenoyer. 1979. “Comparison of Electron Microscopy and Electrical Aerosol Size Analyzer for Determination of Size Distribution of a Submicronic Salt Aerosol.” *Aerosol Measurement*, D. A. Lundgren, editor, pp 480-187. The University Press of Florida.

Lodge, J. P., and T. L. Chan (editors). 1986. *Cascade Impactor: Sampling and Data Analysis Monograph*, Chapter 2, Use and Misuse: Operating Guide, O. R. Moss and J. L. Kenoyer, American Industrial Hygiene Association.

Hering, S. V., and B. S. Cohen (editors). 1995. *Air Sampling Instruments for Evaluation of Atmospheric Contaminants*, Chapter 11, Performance Testing Criteria for Air Sampling Instrumentation, J. L. Kenoyer and D. Leong, American Conference of Governmental Industrial Hygienists.

McCammon, C. S., and B. S. Cohen (editors). 2001. *Air Sampling Instruments for Evaluation of Atmospheric Contaminants*, 9th Edition, Chapter 11, Performance Criteria for Air Sampling and Monitoring Instrumentation, J. L. Kenoyer, D. Leong, R. H. Brown, and L. Kenny, American Conference of Governmental Industrial Hygienists.

Journals

Phalen, R. F., J. D. Hallford, and J. L. Kenoyer. 1975. "Particle Deposition and Clearance as a Test of Toxic Effect." In *Proceedings Sixth Annual Conference on Environmental Toxicology*.

Phalen, R. F., J. L. Kenoyer, and J. R. Davis. 1976. "Deposition and Clearance of Inhaled Particles: Comparison of Mammalian Species." In *Proceedings Seventh Annual Conference on Environmental Toxicology*.

Fragar, N. B., R. F. Phalen, and J. L. Kenoyer. 1979. "Adaptation to Ozone in Reference to Mucociliary Clearance." *Archives of Environmental Health*, 34:51-57.

Hinrichs, R. J., J. L. Kenoyer, R. F. Phalen, and T. T. Crocker. 1978. "Labeling of Monodisperse Polystyrene Microspheres with Tightly Bound ⁵¹Cr." *AIHA Journal*, 39:560-575.

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Kenoyer, J. L., R. F. Phalen, J. R. Davis. 1981. "Particle Clearance from the Respiratory Tract as a Test of Toxicity: Effect of Ozone on Short and Long Term Clearance." *Experimental Lung Research*, 3:111-120.

Mannix, R. C., R. F. Phalen, J. L. Kenoyer, and T. T. Crocker. 1982. "Effect of Sulfur Dioxide - Sulfate Exposure on Rat Respiratory Tract Clearance." *Am. Ind. Hyg. Assoc. J.*, 43:679-685.

Selby, J. M., K. L. Swinth, C. D. Hooker, and J. L. Kenoyer. 1983. "Field Measurement and Interpretation of Beta Doses and Dose Rates." In *Proceedings of the International Beta Dosimetry Symposium*.

Swinth, K. L., A. W. Endres, R. T. Hadley, and J. L. Kenoyer. 1984. "Automated Testing of Health Physics Instruments." In *Proceedings of the Seventh Midyear Topical Symposium of the Health Physics Society: Computer Applications in Health Physics*.

Kenoyer, J. L., K. L. Swinth, R. L. Kathren, D. M. Fleming, J. M. Selby, E. J. Vallario, and M. V. Federline. 1984. "Results of Testing and Evaluating a Health Physics Instrument Performance Standard." In *Proceedings of the 6th International Congress of the International Radiation Protection Association*.

Swinth, K. L., and J. L. Kenoyer. 1985. "Evaluation of Draft ANSI Standard N42.17 by Testing." In *Proceedings of the Workshop on Radiation Survey Instruments and Calibrations*.

Selby, J. M., K. L. Swinth, and J. L. Kenoyer. 1985. "Health Physics Instrumentation Needs." *IEEE Trans. Nuc. Sci.*, NS-32, p. 912.

Swinth, K. L., and J. L. Kenoyer. 1985. "Evaluation of Health Physics Instrument Performance." *IEEE Trans. Nuc. Sci.*, NS-32, p. 923.

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Swinth, K. L., J. L. Kenoyer, and J. M. Selby. 1987. "Monitoring and Sampling Practices at DOE Facilities." In *Proceedings of the DOE Workshop on Workplace Aerosol Monitoring*. PNL-SA-14225, Pacific Northwest Laboratory, Richland, Washington.

Kenoyer, J. L., E. E. Hickey, and K. L. Swinth. 1993. "ANSI N42.17B-1989: Performance Testing of Workplace Air Monitors Used to Measure Occupational Airborne Radioactivity." *Appl. Occup. Environ. Hyg.*, 8(4):317-323.

Kenoyer, J. L., W. B. Andrews, and R. D. Stenner. 2001. "Monitoring and Predicting Worker Risk." In *Proceedings of the Waste Management 2001 Symposium*.

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