

## Curriculum Vitae – January 2007

### **I. PERSONAL DATA**

A. Name: **Dale Jay Stephenson**  
B. Birth Date: 12/28/58  
C. Birthplace: Madison, Wisconsin  
D. Citizenship: United States

### **II. EDUCATION**

A. **Doctor of Philosophy (Ph.D.): Environmental Health;** December 1991; Colorado State University, College of Veterinary Medicine and Biomedical Sciences, Department of Environmental Health, Ft. Collins Colorado.

Area of Specialization: Aerosol Technology  
Dissertation Title: A Fiber Characterization of the Natural Zeolite, Mordenite: A Potential Inhalation Health Hazard.

B. **Resident Training: Supervised College Teaching;** 5/89 to 5/90; Colorado State University, Ft. Collins, Colorado, Courses taught: Environmental Sampling Laboratory, Environmental Air Pollution.

**Graduate Research Associate;** 7/90 to 10/91; Los Alamos National Laboratory, Los Alamos, New Mexico. Research training associated with the characterization of fibrous aerosols.

C. **Baccalaureate Degree (B.S.): Geology;** December 1984; Metropolitan State College, Denver, Colorado.

D. **Board Certifications:** Certified by the American Board of Industrial Hygiene in the comprehensive practice of industrial hygiene (CIH), July 1994. CIH #6485

### **III. PROFESSIONAL EXPERIENCE**

#### **A. Employment (full-time):**

**Director, Center for Excellence for Environmental Health and Safety, 3/04 to present**  
Boise State University, College of Health Sciences, Boise, Idaho

Responsible for management and growth of a center dedicated to providing education, training, and consultation services related to the disciplines of occupational and environmental health and safety to Idaho and the surrounding region.

**Associate Professor and Program Director, Undergraduate Environmental and Occupational Health Program, 7/03 to present**

Boise State University, College of Health Sciences, Dept. of Community and Environmental Health, Boise, Idaho

Responsible for program coordination of the undergraduate environmental and occupational health academic program. Primary responsibilities include, fiscal planning, community outreach, academic teaching, adjunct and fulltime faculty oversight, student recruitment, research development, student advising, and extramural funding acquisition.

**A. Employment (full-time), Continued:**

**Assistant Professor, Occupational and Environmental Health: 5/99 to 7/03**

University of Utah, School of Medicine, Department of Family and Preventive Medicine, Rocky Mountain Center for Occupational and Environmental Health, Salt Lake City, Utah

Responsible for the development and teaching of academic and continuing education courses related to occupational and environmental health. Actively involved in advising, developing, and directing student research and academic progress. Also required to actively seek and acquire extramural research grants related to the fields of occupational and environmental health.

**Assistant Professor, Environmental Health and Safety, 7/97 to 5/99**

University of Idaho, Idaho Falls, ID.

Responsible for coordination of University of Idaho's undergraduate and graduate Industrial Technology/Environmental Health and Safety academic degree program. Responsibilities include the development and teaching of academic courses related to occupational and environmental health as well as the advising, developing, and directing of student research and academic progress.

**Environment, Safety, and Health (ES&H) Program Manager, 11/94 to 7/97**

Los Alamos National Laboratory (LANL), Los Alamos, NM

Responsible for management of all ES&H-related functions at the LANL's Physics Facility. The performance of this task required the supervision and management of five ES&H professionals.

**Industrial Hygienist, 10/91 to 1/94**

Los Alamos National Laboratory, Los Alamos, NM

Responsible for the anticipation, recognition, evaluation, and control of all chemical, physical, and biological hazards arising in or from the occupational setting at Los Alamos.

**Graduate Research Associate, 7/90 to 10/91**

Los Alamos National Laboratory, Los Alamos, NM

Principal investigator for a DOE-funded research project evaluating the potential for fibrous zeolite deposition in the alveolar region of the human lung.

**Peace Corp. Volunteer, Mali, West Africa, 5/86 to 7/88**

Environmental volunteer charged with assessment and improvement of general health conditions in rural Malian villages. Primary responsibilities involved the construction of hand-dug water wells and the performance of village-based seminars on the environmental issues of water quality, deforestation, and basic nutrition.

**B. Employment (Part-time):**

**Exposure Assessment Program Manager, 1/93 to 7/97**

Los Alamos National Laboratory, Los Alamos, NM

Primary duties involved the assignment of qualitative risk to chemical, physical, and biological agents in the workplace. Specific responsibilities included the performance of on-site exposure assessments, program document development, oral and written presentations, industrial hygiene field sampling, statistical analysis, and program budget management.

## B. Employment (Part-time), Continued:

**Lecturer: Environmental Health, 9/92 to 2/93**  
Los Alamos National Laboratory Student Science Program

Primary duties involved the development and teaching of a semester course in environmental health. Course topics included air quality, air sampling for environmental toxins, waste management, and risk perception.

**Hazardous Waste Coordinator, 6/89 to 6/90;**  
Colorado State University-Environmental Health Services

Responsible for maintenance activities associated with a hazardous waste treatment, storage, and disposal (TSD) facility. Duties included waste generator training, labeling and manifesting of RCRA waste, solvent consolidation, acid neutralization, and daily TSD inspections.

## C. Research Grants and Contracts:

**Grant: Principle Investigator,** Creation of a Division of Air Quality Education, Research and Policy at Boise State University, Funding for FY 2007 to FY 2010, US Federal Appropriations, (Pending: \$900,000)

**Grant: Principle Investigator,** Quantifying Course Particle Size and Composition for Improved Health Risk Assessment, 6/1/07 to 5/31/10, Environmental Protection Agency, (Pending: \$30,000)

**Contract: Course Director,** OSHA 2225: Respiratory Protection, 1/16/07 to 1/18/07, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$5,000)

**Contract: Course Director,** Hewlett Packard HAZWOPER Training Course, 10/25/06, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$1,500)

**Contract: Course Director,** OSHA 521: Fundamentals of Industrial Hygiene, 6/12/06 to 6/15/06, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$5,500)

**Grant: Principle Investigator,** Idaho Occupational Safety and Health Consultation Program, Occupational Safety and Health Administration, begins 4/06 (Annual Award: \$500,000)

**Grant: Co-Principal Investigator,** Assessment of Occupational and Public Exposure to Snowmobile Emissions at Yellowstone National Park, 1/06 to 9/06, National Park Service – Subcontract with Montana Tech of the University of Montana (Awarded: \$10,000)

**Grant: Principal Investigator,** Correlation of Air Quality Data with the Frequency of Inpatient and Outpatient Health Care Encounters for Acute Cardiopulmonary Diagnoses in the Treasure Valley, Idaho, 9/05 to 9/06, Boise State University Faculty Research Grant (Awarded: \$5,000)

**Contract: Course Director,** Mountain Home Air Force Base HAZWOPER Training Course, 11/18/05 to 11/18/05, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$5,000)

**Contract: Course Director,** Hewlett Packard HAZWOPER Training Course, 10/27/05, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$3,000)

**Grant: Co-Principal Investigator,** Assessment of Occupational and Public Exposure to Snowmobile Emissions at Yellowstone National Park, 1/05 to 9/05, National Park Service – Subcontract with Montana Tech of the University of Montana (Awarded: \$12,000)

### C. Research Grants and Contracts, Continued:

- Contract:** **Course Director**, Mountain Home Air Force Base HAZWOPER Training Course, 11/18/05 to 11/18/05, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$13,000)
- Contract:** **Course Director**, Hewlett Packard HAZWOPER Training Course, 10/19/05, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$1,800)
- Contract:** **Course Director**, Mountain Home Air Force Base Chemical Emergency Response Team Training Course, 6/7/05 to 6/10/05, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$8,000)
- Contract:** **Course Director**, Mountain Home Air Force Base HAZWOPER Training Course, 4/25/05 to 4/29/05, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$15,000)
- Contract:** **Course Director**, SCP Global, Inc., 24-Hour HAZWOPER Awareness Training, to be preformed 2/05, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$3,500)
- Contract:** **Course Director**, Hewlett Packard HAZWOPER Training Course, 10/27/04, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$3,000)
- Contract:** **Course Director**, Mountain Home Air Force Base HAZWOPER Training Course, 8/1/04 to 8/15/04, Boise State University, Center for Excellence for Env. Health and Safety, (Awarded: \$25,000)
- Contract:** **Project Director**, BSU Campus Environmental Health - Web-based Stormwater Pollution Prevention Plan, 5/04 to 9/04, Boise State University, Center for Excellence for Environmental Health and Safety, (Awarded: \$2,500)
- Grant:** **Principal Investigator**, SKC West Inc. Environmental Health Equipment Grant, 5/04, Boise State University, Environmental Health Program (Awarded: \$5000)
- Grant:** **Co-Principal Investigator**, Air Quality in the Treasure Valley, Monitoring, Analysis, Modeling and Health Effects, National Science Foundation (\$980,000 – Not Awarded)
- Contract:** **Program Director**, Respiratory Fit Testing Program, 5/99 to 7/03, University of Utah, Rocky Mountain Center for Occupational and Environmental Health, (Awarded: \$15,000)
- Grant:** **Principal Investigator**, A Collaboration Between the University of Utah and Highland High School to Assess K-12 Exposure to School Bus Emissions, 7/02 to 5/03, University of Utah, Department of Family and Preventive Medicine, Health Studies Fund, (Awarded: \$5000)
- Grant:** **Principal Investigator**, Submicron Characterization of Diesel Aerosols in an Underground Mine, 9/02 to 9/03, NIOSH Pilot Project Research Grant, (Awarded: \$17,000)
- Grant:** **Principal Investigator**, Health-Related Impacts of Public and Occupational Exposure to Particulate Matter and Carbon Monoxide Episodes at the Hidalgo-Reynosa Border Crossing, 7/02 to 7/03, Southwest Center for Environmental Research & Policy (SCERP), (Awarded: \$75,000)

### C. Research Grants and Contracts, Continued:

- Contract:** **Principal Investigator**, The Development of Web-Based Technical Links Communicating the Recognition, Evaluation, and Control of Hazardous Agents in the Workplace, 3/02 to 3/03, Occupational Safety and Health Administration, (Awarded: \$25,000)
- Grant:** **Principal Investigator**, *In Vitro* Dissolution of Aerosolized Mordenite Fibers, 9/01 to 9/03, National Institutes of Health – 1 R03 OH07378-01, (Awarded: \$75,000)
- Grant:** **Co-Principal Investigator**, Fugitive Dust Characterization in Dona Ana County, NM, 6/01 to 6/02, Southwest Center for Environmental Research & Policy, (Awarded: \$75,000)
- Grant:** **Principal Investigator**, Chemical Speciation of Aerosolized Copper Slag Abrasive, 9/01 to 9/02, NIOSH Pilot Project Research Grant, (Awarded: \$15,000)
- Grant:** **Principal Investigator**, Presence of P-22 Bacteriophage in Electrocautery Aerosols, 9/01 to 9/02 NIOSH Pilot Project Research Grant, (\$15,000)
- Grant:** **Principal Investigator**, Development of an Air Pollution Monitoring Station at Highland High School in Salt Lake City, Utah, 1/01 to 6/02, University of Utah, Department of Family and Preventive Medicine, Health Studies Fund, (\$4,000)
- Grant:** **Principal Investigator**, A Mordenite Fiber Characterization Study Using a Crush-Milling Process: Preliminary Data for the Investigation of Mordenite Fiber Dissolution, 5/00 to 9/01, University of Utah, Dept. of Family and Preventive Medicine, Health Studies Fund, (\$5,000)
- Grant:** **Co-Principal Investigator**, Ultrafine Particle Characterization of Occupational Welding Fume and Diesel Exhaust Aerosols, 11/00 to 11/01, NIOSH Pilot Project Grant, (\$17,000)
- Contract:** **Principal Investigator**, Dermal Contamination Exposure Assessment, 6/00 to 6/01, Occupational Safety and Health Administrative (OSHA), (\$25,000)
- Grant:** **Principal Investigator**, Comparison of Methods for Personal Sampling of Inhalable and Total Dust Abrasive Blasting Aerosol, 6/00 to 6/01, University of Utah, Department of Family and Preventive Medicine, Health Studies Fund, (\$2,500)
- Grant:** **Principal Investigator**, Airborne Assessment of Abrasive Blasting Aerosol Using Copper Slag Abrasive, 9/99 to 9/00, NIOSH Pilot Project Research Grant, (\$18,000)
- Contract:** **Principal Investigator**, A Fiber Characterization of the Natural Zeolite, Mordenite: A Potential Inhalation Health Hazard, 7/90 to 12/91, Industrial Hygiene Research and Development Contract, Los Alamos National Laboratory, (\$50,000)

### IV. SCHOLASTIC HONORS

**Undergraduate Research Award**, 6/06, Faculty Mentor, Association for Environmental Health Academic Programs, National Environmental Health Association Conference, San Antonio, Texas

**Undergraduate Research Award**, 6/05, Faculty Mentor, Association for Environmental Health Academic Programs, National Environmental Health Association Conference, Providence, Rhode Island

**Undergraduate Research Award**, 5/04, Faculty Mentor, Association for Environmental Health Academic Programs, National Environmental Health Association Conference, Anchorage, Alaska

**James D. Defield Memorial Scholarship**, 5/91, American Ind. Hyg. Assoc., Rio Grande/Rocky Mountain Sections

**NIOSH Fellowship**, 9/88, Colorado State University

## V. ADMINISTRATIVE EXPERIENCE

**Project Director**, BSU Occupational Safety and Health Consultation Project (on-going)  
**Director**, Boise State University, Center of Excellence for Environmental Health and Safety (on-going)  
**Program Director**, Boise State University, Environmental and Occupational Health Academic Program (on-going)  
**Board of Directors**, Association for Environmental Health Academic Programs, (on-going)  
**Board of Directors**, Montana Tech, Industrial Hygiene Program Advisory Board, Butte, MT. (on-going)  
**Board of Directors**, National Environmental Health Science and Protection Accreditation Council (on-going)  
**Accreditation Site Visit Team Leader**, National Env. Health Science and Protection Accreditation Council (2006)  
**Director**, Respirator Fit Testing Program, U of U, Rocky Mountain Center for Occ. and Env. Health, (1999-2003)  
**Health Studies Fund Advisory Committee**, U of U, Department of Family and Preventive Medicine (2000-2003)  
**Board of Directors**, Utah Section of the American Industrial Hygiene Association (2000-2003)  
**Planning Committee**, Joint Utah Conference on Safety and Industrial Hygiene (2000-2003)  
**Faculty Sponsor**, U of U Student Section of the American Industrial Hygiene Association (2000-2003)  
**Faculty Council**, University of Utah, Department of Family and Preventive Medicine, (2000-2001)  
**Board of Directors**, Teton Section of the American Industrial Hygiene Association, (1999)  
**Planning Committee**, Idaho Governor's Conference on Safety and Health, (1997-1998)

## VI. PROFESSIONAL COMMUNITY ACTIVITIES

**Council Member**, City of Boise Council on the Study of Global Warming (on-going)  
**Vice-Chairman**, Governor Appointed Treasure Valley Air Quality Council (on-going)  
**Board of Directors**, Association for Environmental Health Academic Programs (on-going)  
**Board of Directors**, Montana Tech, Industrial Hygiene Advisory Board, Butte, MT. (on-going)  
**Committee Member**, Univ. of Washington, Environmental Health Essential Services Committee (on-going)  
**Visiting Research Scientist**, NIOSH, Division of Respiratory Diseases, Morgantown, WV (on-going)  
**Board of Directors**, National Environmental Health Science and Protection Accreditation Council (on-going)  
**AIHA Academic Special Interest Group Member** (on-going)  
**Accreditation Team Leader**, National Env. Health Science and Protection Accreditation Council (on-going)  
**Accreditation Team Member**, Ministry of Education, United Arab Emirates, (2004)  
**Health Studies Fund Advisory Committee**, U of U, Department of Family and Preventive Medicine (2000-2003)  
**Faculty Council**, University of Utah, Department of Family and Preventive Medicine (2000-2002)  
**Planning Committee**, Joint Utah Conference on Safety and Industrial Hygiene (2000-2003)  
**Faculty Representative**, AIHA Student Section (2000-2003)  
**Board of Directors**, Utah Section of the American Industrial Hygiene Association (2000-2003)  
**Board of Directors**, Teton Section of the American Industrial Hygiene Association, (1999)  
**Planning Committee**, Idaho Governor's Conference on Safety and Health, (1997-1998)

## VII. UNIVERSITY COMMUNITY ACTIVITIES

**College Curriculum Committee Chair**, Boise State University, College of Health Sciences (on-going)  
**Faculty Advisor**, Boise State University Environmental Health Club (on-going)  
**Health Studies Fund Advisory Committee**, U of U, Department of Family and Preventive Medicine (2000-2003)  
**Faculty Council**, University of Utah, Department of Family and Preventive Medicine (2000-2003)  
**Member**, Academic Advising Committee, University of Idaho at Idaho Falls, 1997-1999  
**Member**, Strategic Planning Committee, University of Idaho, Div. of Adult, Counselor, & Tech. Ed., 1997-1999

## VIII. PROFESSIONAL SOCIETIES

Association for Environmental Health Academic Programs  
National Environmental Health Association  
National Environmental Health Science and Protection Accreditation Council  
American Industrial Hygiene Association  
American Conference of Governmental Industrial Hygienists  
American Academy of Industrial Hygiene

## IX. TEACHING RESPONSIBILITIES

### A. Academic courses taught (as course director):

**Hazardous Waste Management**, ENVHLTH 442/MHLTHSCI 542 (BSU): 2 cr. – 24 Students  
**Environmental Health Seminar** – ENVHLTH 498 (BSU): 1 cr. – 9 Students  
**Noise and Other Physical Agents** – ENVHLTH 417/MHLTHSCI 597 (BSU): 3 cr. – 18 students  
**Environmental Health Control Methods** – ENVHLTH 419/MHLTHSCI 597 (BSU): 3 cr. – 18 students  
**Occupational Safety and Health** – ENVHLTH 415/MHLTHSCI 515 (BSU): 3 cr. – 20 students  
**Introduction to Environmental Health** – ENVHLTH 100 (BSU): 2 cr. – 25 students  
**Air Quality Management** – ENVHLTH 480/MHLTHSCI 597 (BSU): 2 cr. – 18 students  
**Fundamentals of Occupational Safety and Health** – FPDM 6750 (University of Utah): 2 cr. – 18 students  
**Statistical Analysis (Online)** – IH 5076 (Montana Tech of the University of Montana): 3 cr. – 12 students  
**Noise and Other Physical Agents** – FPDM 6754 (University of Utah): 2 cr. – 10 students  
**Environmental Health Field Trips** – FPMD 8759 (University of Utah): 1 cr. – 15 students  
**Environmental Health** – ITED 520 (Univ. of Idaho): 3 cr. – 15 students  
**Environmental Monitoring** – ITED 456 (Univ. of Idaho): 3 cr. – 15 students  
**Industrial Ventilation** – ITED 504 (Univ. of Idaho): 3 cr. – 10 students  
**Industrial Noise Control** – ITED 504 (Univ. of Idaho): 3 cr. – 10 students

### B. Specific lectures given in academic courses:

**Current Issues in Environmental Health** – Community and Public Health (KINES 340 – Boise State University)  
**Air Quality and Public Health** – Public Health Administration (HLTHST 304 – Boise State University)  
**Public Health Concerns in a Third World Environment** – Health Delivery Systems (HLTHST 202 – BSU)  
**Environmental Health** – Introduction to Allied Health (HLTHST 100 – Boise State University)  
**Exposure to Toxic Chemicals, Environments, and Noise** – Mechanical Engineering (ME 400 – Univ. of Utah)  
**Occupational Health** – Environmental Health Problems (FPMD 6700 – University of Utah)  
**Fiber Toxicology** – Introduction to Industrial Toxicology (FPMD 6752 – University of Utah)  
**Exposure Assessment** – Advanced Industrial Hygiene (FPMD 6751 – University of Utah)  
**Temperature Stress** – Advanced Industrial Hygiene (FPMD 6751 – University of Utah)  
**Calculations in Industrial Hygiene** – Advanced Industrial Hygiene (FPMD 6751 – University of Utah)  
**Respiratory Protection** – Advanced Industrial Hygiene (FPMD 6751 – University of Utah)  
**Industrial Noise Control** – Advanced Industrial Hygiene (FPMD 6751 – University of Utah)

### B. Specific lectures given in academic courses, continued:

**Industrial Ventilation: Ducts** – Industrial Ventilation (FPMD 6753 – University of Utah)  
**Indoor Air Quality** – Environmental Health Problems (FPMD 6700 – University of Utah)  
**Air Pollution: PM10 and PM2.5** - Environmental Health Problems (FPMD 6700 – University of Utah)  
**International Aspects of Environmental Health:** Environmental Health Problems (FPMD 6700 – Univ. of Utah)  
**CO2: Simple Asphyxiant or Chemical Poison:** Adv. Topics in Occ. and Env. Health (FPMD 6702 – Univ. of Utah)

### C. Continuing education courses taught (as Course Director):

**OSHA 2225: Respiratory Protection** – Boise State University (9 students)  
**OSHA 521: Guide to Industrial Hygiene** – Boise State University (12 students)  
**Confined Space Entry** – Boise State University (30 students)  
**HAZWOPER** – Boise State University and the University of Utah (100 students)  
**Oil Spill Response** – Boise State University (30 students)  
**Fundamentals of Industrial Hygiene** – University of Utah (40 students)  
**Respiratory Protection** – University of Utah (60 students)  
**Air Sampling for Toxic Substances** – University of Utah (100 students)

**D. Specific continuing education lectures given:**

**Particulates, Temp. Stress, and Noise** – Industrial Hygiene Review and HAZWOPER (BSU and Univ. of Utah)  
**Fundamentals of Noise, Temperature Stress** – Fundamentals of Industrial Hygiene (Univ. of Utah)  
**Calibration, Sampling Calculations** – Air Sampling for Toxics and HAZWOPER (BSU and Univ. of Utah)  
**Respiratory Protection** – Hazardous Waste Operations (BSU and Univ. of Utah)  
**Physical Agents** – Occupational Nurse Awareness Training and HAZWOPER (BSU and Univ. of Utah)  
**Fundamentals of Noise, OSHA Recordkeeping** - Fundamentals of Occupational Safety (Univ. of Utah)  
**Industrial Hygiene Statistics** – Comprehensive Exposure Assessment (Univ. of Utah)  
**Toxicology of Exposure to Fibers** – Asbestos Abatement and Control (Univ. of Utah)

**E. Lectures given to the Professional Community:**

**Air Quality Management in the Treasure Valley**, Boise Idaho State and Local Gov't, (on-going)  
**Managerial Strategies for Indoor Air Quality Complaints**, Bureau of Land Management, 2/06, Boise, ID.  
**The Presence of P22 Bacteriophage in Electrocautery Aerosols**, NORA Symposium, 4/04, Salt Lake City, UT.  
**Exposure to DPM in an Underground Mine**, ID Governors' Conference on Safety and Health, 3/04, Pocatello, ID.  
**Academic Env. Health at Boise State University**, Idaho Env. Health Association Conference, 3/04, Boise, Idaho.  
**Submicron Diesel Particulate Emissions**, Utah Conference on Safety and IH, 10/03, Salt Lake City, Utah.  
**Occ. Exp. to PM and CO at the Mexico Border**, Utah Conference on Safety and IH, 10/03, Salt Lake City, UT.  
**The Impact of Air Quality on Public Health** – Idaho Governor's Summit on Air Quality, 9/03, Nampa, Idaho  
**Noise Control and Eval. on Water Well Drilling Sites** – Mtn. States Groundwater Assoc., 5/03, Salt Lake City, UT.  
**Noise Control and Eval. on Water Well Drilling Sites** – Mtn. States Groundwater Assoc., 2/03, Laughlin, NV.  
**Pulmonary Dissolution of Zeolite Fibers** – NIOSH, 7/02, Morgantown, West Virginia  
**Comprehensive Exposure Assessment** – Idaho National Environmental and Engineering Laboratory, 6/01  
**Industrial Hygiene Statistics** – Los Alamos National Laboratory, 6/01  
**Chemical Hygiene** – Cermatec Industries, Salt Lake City, Utah, 5/01  
**Noise, Respiratory Protection** – United States Park Service Health and Safety Conference, Flagstaff, AZ, 5/01  
**Medical Use of N95 Respirators** – Idaho Governor's Conference on Safety and Health, Pocatello, Idaho, 10/00  
**Exposure to Heavy Metals in Abrasive Blasting Aerosols** - Joint Utah Conference on Safety and IH, 10/00  
**Noise Theory and Control** – short course at the Joint Utah Conference on Safety and Industrial Hygiene, 10/99  
**Exposure Assessment** - short course at the Joint Utah Conference on Safety and Industrial Hygiene, 10/98  
**IH Applications during Radioactive Waste Operations** – DOE Waste Conference, Salt Lake City, Utah, 3/99  
**Noise, Respiratory Protection** – United States Park Service Health and Safety Conference, Albuquerque, NM, 9/99

**F. Graduate Students Supervised:**

**Erik Sirs**, Boise State University, Masters of Health Science, Comparative Analysis of the Underground Storage Tank Compliance in the State of Idaho. Currently employed with the EPA in Boise, Idaho

**Wendy Campbell**, Boise State University, Masters of Health Science, 12/05, research: Evaluation of Occupational Health Studies Evaluating Snowmobile Emissions in Yellowstone National Park. Currently employed as an Occupational Safety and Health Professional at Boise State University.

**Kelly Tuohig**, University of Utah, 8/03, MSPH, research: Children Exposure to School Bus Emissions – A Service Learning Collaboration with a Salt Lake City High School. Currently employed as an industrial hygienist with Rocky Mountain Environmental Consultants in Salt Lake City, UT.

**Mike Lutte**, University of Utah, 5/03, MSPH, research: Evaluation of Sampling Devices for the Measurement of DPM in an Underground Mine. Currently employed as an industrial hygiene officer with the United States Navy.

**Janeth Ihejiawu**, University of Utah, 12/2002, MSPH, research: Evaluation of Mercury Exposure in a Dental Clinic. Currently employed as an industrial hygienist with Bell Helicopter in Dallas, Texas.

## F. Graduate Students Supervised, continued:

**Jared Mowrer**, University of Utah, 12/2002, MSPH, research: Characterization of Residential Exposure to Fugitive Dusts from Unpaved Roads in the Desert Southwest. Currently employed as an industrial hygienist at Sandia National Laboratory in Albuquerque, NM

**Dave Allcott**, University of Utah, College of Nursing, 8/2002, MS, research: The presence of P22 Bacteriophage in Electrocautery Aerosols, Currently employed as a registered nurse at LDS hospital in Salt Lake City, Utah

**Chad Hjorth**, University of Utah, 12/2001, MSPH, research: Mordenite Fiber Characterization using a Crush-Milling Method, Currently employed with Sandia National Laboratory in Albuquerque, NM

**Steve Thygerson**, University of Utah, 5/2001, MSPH, research: Determination of a Surface Swipe Sampling Method for 1,6-hexamethylene diisocyanate, Currently a Ph.D. student in environmental health at Colorado State University

**Ann Rivers**, University of Utah, 5/2001, MSPH, research: Evaluation of Procedural Modifications to Reduce Glutaraldehyde Vapors During the Disinfection of Endoscopes Using Three Sampling Methods, currently employed with the United States Navy in North Carolina

**Rob Bridge**, University of Utah, 1/2000, MSPH, research: Chemical Exposure Assessment Methodology at a Oil Refinery, currently employed with Idaho National Environmental and Engineering Laboratory in Idaho Falls, Idaho

**Shane Bush**, University of Idaho, 1/2000, MS, research project: Development and Implementation of an Industrial Ventilation Laboratory Course, currently employed at INEEL

**Mike Vorachek**, University of Idaho, 1/00, MS, research: Modeling Emergency Response to Radioactive Hazards at Idaho National Environmental and Engineering Laboratory (INEEL), Currently employed as a health and safety manager at INEEL

**Jake Clapham**, University of Utah, 8/99, MSPH, research: Comparison of N95 Filtering Facepiece Fit Using Bitrex Qualitative and TSI Portacount Quantitative Fit Testing Methodologies, currently employed with Utah Industrial Commission in Salt Lake City, Utah

**Jorge Garcia**, University of Idaho, 5/99, MS, research: Evaluation of Excessive Noise Exposure in a Potato Processing Plant, Currently employed with Idaho's Department of Air Quality

## BIBLIOGRAPHY

### I. ORIGINAL PUBLICATIONS:

Thygerson, S., **Stephenson, D.J.**, Lawrence, R., "Development of a Surface Sampling and Analytical Method for 1,6-Hexamethylene Diisocyanate" (Submitted: 12/06), Applied Occupational and Environmental Health, (currently under peer review).

**Stephenson, D.J.**, Spear, T., Lutte, M., 2006. "Evaluation of a Direct Reading Sampling Method to Measure Exposure to Diesel Particulate Matter in an Underground Mine", Mining Engineering, 58(8): 39-45.

Tuohig, K, **D.J. Stephenson**, D.R. Lillquist, J. Bird, S. Alder, and M. Babitz, 2005 "Environmental Health and Service Learning." Academic Exchange Quarterly 9(1): 50-53.

**D.J. Stephenson**, F.D. DeRosso, D.R. Lillquist, D.D. Greene, G. White, 2004. "Side-By-Side Comparison of Three Sampling Methods for Aerosolized Endotoxin in a Waste-Water Treatment Facility", Journal of Env. Health, 16(4): 16-19.

## I. ORIGINAL PUBLICATIONS, CONTINUED:

J.L. Lyon, D.R. Lillquist, S. Alder, **D.J. Stephenson**, D. O. Blosswick. 2003 "Use of Self-Reported Symptoms Among Bifocal Users to Predict an Optimal VDT Placement", Work, 20: 77-80.

**D.J. Stephenson**, J. Veranth, G. Seshadri, 2003 "Workplace Exposure to Submicron Particle Mass and Number Concentrations from Manual Arc Welding of Carbon Steel", American Ind. Hygiene Association Journal, 64(4): 516-521

T. Suruda, B. Milliken, **D.J. Stephenson**, R. Sesek. 2003 "Fatalities Associated with the Use of Respiratory Protection", Applied Occupational and Environmental Hygiene, 18(4): 1-4.

**D.J. Stephenson**, T.M. Spear, M. Seymour, 2002. "Airborne Exposure to Heavy Metals and Total Particulate During Abrasive Blasting Using Copper Slag Abrasive", Applied Occupational and Environmental Hygiene, 17(6): 1-7.

T.M. Spear, **D.J. Stephenson**, M. Seymour, 2002. "Characterization of the Aerosol Generated During Abrasive Blasting With Copper Slag", Ann. Occup. Hyg., 46(Supplement 1): 296-299.

A. Rivers, **D.J. Stephenson**, K. Hegmann, D. Lillquist, F. DeRosso, 2002. "Evaluation of Procedure Modifications to Reduce Glutaraldehyde Vapors During the Disinfection of Endoscopes Using Three Sampling Methods", Chemical Health & Safety, 9(4): 13-20.

**D.J. Stephenson**, D.R. Lillquist, 2001. "Temperature and Pressure Effects on Gas and Vapor Exposure Concentrations", Applied Occupational and Environmental Hygiene, 16(4): 482-486.

D.R. Lillquist, A. Suruda, **D.J. Stephenson**, F. D. DeRosso, 2001. "Remember to Ask – What is Your Occupation?". Perspective on Physician Assistant Education, 11(3): 165-167.

S.J. Clapham, **D.J. Stephenson**, D.O. Wallace, D.R. Lillquist, A.J. Suruda, 2000. "Comparison of N95 Filtering Facepiece Fit Using Bitrex Qualitative and TSI Portacount Quantitative Fit Testing Methodologies". International Journal of Occupational and Environmental Health, 6:50-54.

**D.J. Stephenson**, C.I. Fairchild, R.M. Buchan, M. Dakins, 1999. "A Fiber Characterization of the Natural Zeolite, Mordenite: A Potential Inhalation Health Hazard", Aerosol Science and Technology, 30:467-476.

## II. BOOK CHAPTERS:

D.O. Wallace, T. Burns, **D.J. Stephenson**, D.R. Lillquist, 2000. Chapter 22: Respiratory Protection, In *Compendium of Industrial Hygiene Practice Standards and Guidelines*, Michael K. Harris, AIHA Press, Fairfax, Virginia.

## III. PUBLICATIONS IN PEER-REVIEWED PROCEEDINGS:

**Treasure Valley Air Quality Council**, 2/07. "Treasure Valley Air Quality Plan", pending approval by the Idaho Legislature 2/07.

**T. Spear and Stephenson, D.J.**, 10/05. "Yellowstone Winter Use Personal Exposure Monitoring", US National Park Service, Rocky Mountains Cooperative Ecosystem Studies Unit (RM-CESU) RM-CESU Cooperative Agreement Number: H1200040001.

Campbell, W., **D.J. Stephenson**, 3/05. "Occupational Exposure to Snowmobile Emission at Yellowstone National Park", NORA Symposium, Rocky Mountain Center for Occupational and Environmental Health, Salt Lake City, UT.

**D.J. Stephenson**, 4/04. "The Presence of P22 Bacteriophage in Electrocautery Aerosols", NORA Symposium, Rocky Mtn. Center for Occupational and Environmental Health, Salt Lake City, UT.

### III. PUBLICATIONS IN PEER-REVIEWED PROCEEDINGS, CONTINUED:

**D.J. Stephenson**, 6/03. "Evaluation of Sampling Devices for the Measurement of DPM in an Underground Mine", Rocky Mountain Region National Occupational Research Agenda Symposium, Salt Lake City, Utah.

J. Ihejaiwu, **D.J. Stephenson**, 6/03. "Assessment of Exposure to Mercury Vapor during the Preparation of Dental Fillings using Pre-Encapsulated Amalgams", Rocky Mountain Region National Occupational Research Agenda Symposium, Salt Lake City, Utah.

K. Tuohig and **D.J. Stephenson**, 6/03. "Promoting the Field of Public Health to the Next Generation: A University and High School Collaboration to Assess Children Exposure to Diesel School Bus Emissions", Rocky Mountain Region National Occupational Research Agenda Symposium, Salt Lake City, Utah.

**D.J. Stephenson**, 6/96. "Chemical Exposure Assessment Program at Los Alamos National Laboratory: A Risk-Based Approach", Waste Management '96 Conference, Tucson, Arizona.

### IV. ORAL PRESENTATIONS:

**D.J. Stephenson**, 1/07. "Treasure Valley Comprehensive Air Quality Plan", Featured speaker at the City Club of Boise monthly meeting, Boise, Idaho

**D.J. Stephenson**, 1/07. "Treasure Valley Comprehensive Air Quality Plan", Idaho Environmental Forum Legislative Gala, Boise, Idaho

**D.J. Stephenson**, 10/06 to 12/06. "Treasure Valley Comprehensive Air Quality Plan", four separate presentations at the Meridian, Boise, Nampa, and Kuna City Council Meetings

**D.J. Stephenson**, 5/06. "Air Quality and Respiratory Protection for Mold Remediation and Building Inspections", Idaho Indoor Air Quality Association Meeting, Boise, Idaho.

**D.J. Stephenson**, 5/06. "Toxicology Associated with the EPA National Ambient Air Quality Standards", Treasure Valley Air Quality Council Meeting, Boise, Idaho.

**D.J. Stephenson**, 2/06. "Managerial Strategies to Address Indoor Air Quality Complaints", Bureau of Land Management Health and Safety Workshop, Boise, Idaho.

**D.J. Stephenson**, 2/06. "Noise Evaluation and Control", Bureau of Land Management Health and Safety Workshop, Boise, Idaho.

**D.J. Stephenson**, 3/05. "Do You Know Where Your Next Environmental Health Specialist is Coming From – The State of Entry Level Environmental Health Employment in Idaho". Keynote Speaker: Idaho Environmental Health Association Conference Banquet, Boise, Idaho.

**D.J. Stephenson**, 4/04. "The Presence of P22 Bacteriophage in Electrocautery Aerosols", NORA Symposium, Rocky Mtn. Center for Occupational and Environmental Health, Salt Lake City, UT.

**D.J. Stephenson**, 3/04. "Exposure to Diesel Particulate Matter in an Underground Mine", Idaho Governor's Conference on Safety and Health, Pocatello, Idaho.

**D.J. Stephenson**, 3/04. "Academic Environmental Health at Boise State University", Idaho Environmental Health Association Conference, Boise, Idaho.

**D.J. Stephenson**, 2/04. "Air Quality and Public Health", Boise State University Panel Discussion, Boise State University, Boise, Idaho.

#### IV. ORAL PRESENTATIONS, CONTINUED:

**D.J. Stephenson**, 10/03. “Characterization of Submicron Diesel Particulate Emissions from Mechanized Mining Equipment”, 20<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J. Stephenson**, 10/03. “Occupational Exposure to PM and CO at a US/Mexico Border Crossing”, 20<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J. Stephenson**, 9/03. “The Impact of Air Quality on Public Health”, Idaho Governor’s Summit on Air Quality, 9/03, Nampa, Idaho.

**D.J. Stephenson**, 8/03. “Evaluation of Sampling Devices for the Measurement of DPM in an Underground Mine”, Proceedings to the Rocky Mtn. Center for Occupational and Environmental Health NORA Symposium, Salt Lake City, UT.

**D.J. Stephenson**, 6/03. “Exposure to DPM in an Underground Metal Mine”, American Industrial Hygiene Association Conference and Exposition, Dallas, TX.

**D.J. Stephenson**, 10/02. “Chemical Speciation of Copper Slag”, Pacific Northwest Conference on Health and Safety, Pasco, Washington.

**D.J. Stephenson**, 7/02. “Dissolution of Mordenite Fibers at Acidic PH”, CDC, NIOSH: Visiting Scholar Seminar, Morgantown, West Virginia.

**D.J. Stephenson**, 7/02. “The Presence of P22 Bacteriophage in Electrocautery Smoke”, National Environmental Health Association Conference, Minneapolis, Minnesota.

**D.J. Stephenson**, 6/02. “Side-by-side Comparison of Three Sampling Methods for Aerosolized Endotoxin in a Waste Water Treatment Plant”, American Industrial Hygiene Association Conference and Exposition, San Diego, CA.

**D.J. Stephenson**, 6/02. “Monitoring of PM10 in Salt Lake City, Utah: A collaborative Project with Highland High School”, American Industrial Hygiene Association Conference and Exposition, San Diego, CA.

**D. J. Stephenson**, 10/01. “Characterization of Wind Blown Dust Exposure in Dona Ana County, NM”, Annual Conference of the Southwest Center for Environmental Research and Policy, Mexicali, Mexico.

**D.J. Stephenson**, 6/01. “Side-by-Side Comparison of Total and Inhalable Sampler Performance when used to Collect Abrasive Blasting Aerosol”, American Industrial Hygiene Association Conference and Exposition, New Orleans, LA.

**D.J. Stephenson**, (5/01). “Indoor Air Quality Concerns for Facility Managers”, Utah Facility and Operation Managers Association Conference, St. George, Utah.

**D.J. Stephenson**, 4/01. “Noise Theory and Control and Fundamentals of Respiratory Protection”, United States Park Service Health and Safety Conference, Flagstaff, AZ.

**D.J. Stephenson**, 11/00. “Medical Use of N-95 Respirators”, Idaho Governors Conference on Safety and Health, Pocatello, Idaho.

**D.J. Stephenson**, 10/00. “Heavy Metal Contamination of Abrasive Blasting Aerosol Using Copper Slag Abrasive”, 17<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J. Stephenson**, 10/00. “Fundamentals of Air Sampling”, 17<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J Stephenson**, 5/00. “The Effects of Temperature and Pressure on Making Compliance Evaluations using ACGIH TLVs and OSHA PELs”, American Industrial Hygiene Conference and Exposition, Orlando, Florida.

#### **IV. ORAL PRESENTATIONS, CONTINUED:**

**D.J. Stephenson**, 5/00, “Airborne Assessment of Abrasive Blasting Aerosol Using Copper Slag Abrasive”, American Industrial Hygiene Association Conference and Exposition, Orlando, Florida.

**D.J. Stephenson**, 10/99. “Noise Theory and Control”, 16<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J. Stephenson**, 9/99. “Noise Theory and Control and Fundamentals of Respiratory Protection”, United States Park Service Health and Safety Conference, Albuquerque, NM.

**D.J. Stephenson**, 11/98. “What is Industrial Hygiene and What does it have to do with Low-Level Waste?”, US DOE Low-Level Radioactive Waste Management Conference, Salt Lake City, Utah.

**D.J. Stephenson**, 8/98. “A Practical Guide to Industrial Hygiene Exposure Assessment”, 15<sup>th</sup> Annual Utah Conference on Safety and Industrial Hygiene, Salt Lake City, Utah.

**D.J. Stephenson**, 5/96. “Results of Qualitative Exposure Assessments at Los Alamos National Laboratory's Life Sciences Division”, American Industrial Hygiene Association Conference and Exposition, Washington, D.C.

**D.J. Stephenson**, 5/95. “Application of Exposure Assessment Strategies at Los Alamos National Laboratory”, American Industrial Hygiene Association Conference and Exposition, Kansas City, MO.

**D.J. Stephenson**, 5/94. “The Health Hazard Assessment Program at Los Alamos National Laboratory: A Risk-Based Approach”, American Industrial Hygiene Association Conference and Exposition, Anaheim, CA.

**D.J. Stephenson**, 5/91. “A Fiber Characterization of the Natural Zeolite, Mordenite: A Potential Inhalation Health Hazard”, American Industrial Hygiene Association Conference and Exposition, Salt Lake City, Utah.