

CHAPTER 8
LIST OF PREPARERS

LOS ALAMOS NATIONAL LABORATORY

STEVEN BOOTH, LOS ALAMOS NATIONAL LABORATORY; LOS ALAMOS NATIONAL SECURITY, LLC

SEIS RESPONSIBILITIES: *LANL DATA CALL RESPONSE PROJECT LEADER*

Education: Ph.D., Economics, Cornell University
 M.A., Economics, Cornell University
 B.A., Economics, California State University

Experience/Technical Specialty:

Twenty-eight years. Engineering economics evaluation tools such as cost-effectiveness analysis, decision analysis, and business case computations of competing options and policies.

JOHN ISAACSON, LOS ALAMOS NATIONAL LABORATORY; LOS ALAMOS NATIONAL SECURITY, LLC

SEIS RESPONSIBILITIES: *ENVIRONMENTAL IMPACTS ANALYSIS.*

Education: Ph.D., Anthropology, University of Illinois
 M.A., Anthropology, University of Illinois
 B.A., English, San Francisco State University

Experience/Technical Specialty:

Twenty-five years. Environmental impact and stewardship and heritage resource protection.

DREW KORNREICH, LOS ALAMOS NATIONAL LABORATORY; LOS ALAMOS NATIONAL SECURITY, LLC

SEIS RESPONSIBILITIES: *DATA ANALYST/SYSTEMS ENGINEER*

Education: Ph.D., Nuclear Engineering, University of Arizona
 M.S., Nuclear Engineering, University of Arizona
 B.S., Nuclear Engineering, University of Arizona

Experience/Technical Specialty:

Sixteen years. Nuclear transport theory, criticality safety/analysis, dose modeling analysis, process modeling, and systems engineering and analysis.

STEVEN MCKEE, LOS ALAMOS NATIONAL LABORATORY; LOS ALAMOS NATIONAL SECURITY, LLC

SEIS RESPONSIBILITIES: *SUPPORT FOR PROJECT EMISSIONS, UTILITIES AND OTHER RESOURCES,
 PROCESSING TECHNOLOGY, STAFFING*

Education: Ph.D., Chemistry, The Ohio State University
 M.S., Chemistry, Bucknell University
 B.S., Chemistry and Physics, Elizabethtown College

Experience/Technical Specialty:

Twenty-two years. Project management, plutonium processing technology, and facility equipment installation and operations.

JENNIE RICHARDSON, LOS ALAMOS NATIONAL LABORATORY; LOS ALAMOS NATIONAL SECURITY, LLC

SEIS RESPONSIBILITIES: SUPPORT FOR SAFETY BASIS CALCULATIONS

Education: M.S., Nuclear Engineering, University of New Mexico
M.S., Biology/Biochemistry, University of New Mexico
B.S., Biology, University of New Mexico

Experience/Technical Specialty:

Twenty-five years. Nuclear and industrial safety, with focus on the Chemistry and Metallurgy Research Building and Technical Area 55 facilities at Los Alamos National Laboratory.

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

ROBERT BAYER, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: B.S., Chemical Engineering, Villanova University

Experience/Technical Specialty:

Twenty years. Process engineering role at SRS directly supporting plutonium processing facilities and design authority roles supporting various projects and studies to construct new plutonium processing facilities. Plutonium processing subject matter expert.

KEITH W. DYER, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: SUBJECT MATTER EXPERT

Education: M.S., Ecology, University of Tennessee
B.S., Natural Science, Shorter College

Experience/Technical Specialty:

Thirty years. Natural resource management, regulatory compliance programs, and NEPA compliance.

F. LEE FOX, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: M.S., Electrical Engineering, Purdue University

Experience/Technical Specialty:

Thirty-four years. Process and program (solid waste) management.

KENNETH S. FULLER, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS INVOLVING H-CANYON/HB-LINE DISPOSITION OPTIONS AND REVIEWER

Education: M.B.A., Augusta State University
B.S., Chemical Engineering, Clarkson University

Experience/Technical Specialty:

Thirty-one years. Savannah River Site programs, projects, operations, and maintenance management. H-Canyon engineering support.

ELOY SALDIVAR, JR., SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: B.S., Mechanical Engineering, Texas A&M University

Experience/Technical Specialty:

Thirty years. Nuclear and nonnuclear design authority and regulatory/environmental engineering management.

BETSY L. WESTOVER, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: M.B.A., Nova Southeastern University

B.S., Industrial and Operations Engineering, University of Michigan

Experience/Technical Specialty:

Twenty-four years. Reactor operation, environmental compliance, and waste management.

CYNTHIA WILLIAMS, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: B.S., Chemistry and Biology, Troy University

Experience/Technical Specialty:

Twenty-two years. Environmental safety, health, and quality, and project management.

RANDALL L. YOURCHAK, SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

SEIS RESPONSIBILITIES: REVIEWER

Education: B.S., Chemical Engineering, University of Akron

Experience/Technical Specialty:

Thirty years. Nuclear materials processing and process chemistry.

SHAW AREVA MOX SERVICES, LLC

RICHARD CLARK, SHAW AREVA MOX SERVICES, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: M.E., Nuclear Engineering, University of Virginia

B.S., Nuclear Engineering, University of Virginia

Experience/Technical Specialty:

Forty years. Reactor physics, core design, reload analyses, project management, fuel packaging and transportation.

FRANCOIS DELCROIX, SHAW AREVA MOX SERVICES, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS

Education: M.S., Chemical Engineering, Ecole Superieure de Physique et de Chimie Industrielle
B.S., Engineering, Ecole Superieure de Physique et de Chimie Industrielle
(Paris School of Chemistry and Physics)

Experience/Technical Specialty:

Seven years. Nuclear fuel reprocessing, reprocessing plant operation and design.

CARL MAZZOLA, SHAW AREVA MOX SERVICES, LLC

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: M.S., Meteorology, Pennsylvania State University
B.S., Meteorology, City College of New York

Experience/Technical Specialty:

Forty-two years. Environmental impact assessments, environmental compliance, environmental management systems, emergency preparedness and response, chemical commodity management, atmospheric transport and diffusion, consequence assessment, and risk assessment.

PACIFIC NORTHWEST NATIONAL LABORATORY

STEVEN J. MAHERAS, PACIFIC NORTHWEST NATIONAL LABORATORY

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: Ph.D., Health Physics, Colorado State University
M.S., Health Physics, Colorado State University
B.A., Zoology, University of New Hampshire

Experience/Technical Specialty:

Twenty-four years. Transportation, waste management, health physics, safety analysis, and risk assessment.

BATTELLE MEMORIAL INSTITUTE

MICHAEL RECTANUS, BATTELLE MEMORIAL INSTITUTE

SEIS RESPONSIBILITIES: AIR QUALITY REVIEWER

Education: B.S., Chemical Engineering, Ohio University

Experience/Technical Specialty:

Fifteen years. Environmental compliance, air quality impact assessments, emissions characterization, and regulatory reviews.

RANDALL REDDICK, BATTELLE MEMORIAL INSTITUTE

SEIS RESPONSIBILITIES: DATA CALL INPUTS AND REVIEWER

Education: M.S., Environmental Health Engineering, Kansas University
B.S., Civil Engineering, Kansas University

Experience/Technical Specialty:

Twenty-eight years. Environmental compliance, NEPA compliance, and regulatory reviews.

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

JOHN DiMARZIO, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: PROJECT MANAGER, CHAPTER 1 AND APPENDIX A MANAGER, GEOLOGY AND SOILS LEAD

Education: M.S., Geology, George Washington University
B.S., Geology, University of Maryland

Experience/Technical Specialty:

Twenty-six years. Project management, NEPA compliance, geology, water resources, waste management, and cumulative impacts.

JOHN EICHNER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: DEPUTY PROJECT MANAGER, EXECUTIVE SUMMARY, CHAPTER 5 AND APPENDIX J MANAGER, INFRASTRUCTURE LEAD

Education: B.S., Accounting, Syracuse University
B.S., Finance, Syracuse University

Experience/Technical Specialty:

Twenty-eight years. Project management, impact analysis, socioeconomics, and cost-benefit analyses.

HANA BINDER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: TECHNICAL EDITOR, CHAPTER 6 MANAGER

Education: B.A., Journalism, University of Oregon

Experience/Technical Specialty:

Four years. Technical writing and editing.

SYDEL CAVANAUGH, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: PUBLIC OUTREACH MANAGER, CHAPTER 9 MANAGER

Education: B.A., Interdisciplinary Studies-Personnel and Sociology, University of Maryland Baltimore County

Experience/Technical Specialty:

Sixteen years. Managing and coordinating activities associated with implementing a public outreach program, including meeting logistics and stakeholder databases.

SUZANNE CREDE, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: CHAPTER 3 MANAGER

Education: M.A., Guidance and Counseling, West Virginia University
B.S., Chemistry, General Science, and Safety Education, West Virginia University

Experience/Technical Specialty:

Twenty years. NEPA analysis and compliance and project management.

MILTON GORDEN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: WASTE MANAGEMENT AND TRANSPORTATION LEAD, APPENDIX E MANAGER

Education: B.S., Nuclear Engineering, North Carolina State University

Experience/Technical Specialty:

Twenty years. Waste management, transportation, human health impacts, socioeconomics, and environmental remediation technologies.

AARON GREENE, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: ECOLOGICAL RESOURCES LEAD AND GIS SUPPORT

Education: M.S., Environmental Science, Indiana University

B.S., Environmental Science, Mansfield University

Experience/Technical Specialty:

Five years. Ecological field assessments, NEPA documentation, and GIS [geographic information system] support.

CHADI D. GROOME, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: CHAPTER 3 MANAGER

Education: M.S., Environmental Engineering Sciences, University of Florida

B.S., Zoology, Clemson University

Experience/Technical Specialty:

Twenty-eight years. Environmental, NEPA, and nuclear regulatory compliance, permitting, and licensing; National Pollutant Discharge Elimination System permitting; and radioactive and hazardous waste management.

SCOTT HEISER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: WASTE MANAGEMENT LEAD

Education: M.S., Environmental Management, University Maryland University College

B.S., Mechanical Engineering, Virginia Polytechnic Institute and State University

Experience/Technical Specialty:

Twenty years. Project management, environmental and NEPA compliance, and impact analysis.

ROY KARIMI, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: TRANSPORTATION

Education: Sc.D., Nuclear Engineering, Massachusetts Institute of Technology

N.E., Nuclear Engineering, Massachusetts Institute of Technology

M.S., Nuclear Engineering, Massachusetts Institute of Technology

B.S., Chemical Engineering, Abadan Institute of Technology

Experience/Technical Specialty:

Thirty years. Nuclear power plant safety, risk and reliability analysis, design analysis, criticality analysis, accident analysis, consequence analysis, spent fuel dry storage safety analysis, and probabilistic risk assessment.

STEVEN MIRSKY, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS – INTENTIONAL DESTRUCTIVE ACTS

Education: M.S., Nuclear Engineering, The Pennsylvania State University
B.S., Mechanical Engineering, Cooper Union

Experience/Technical Specialty:

Thirty-four years. Professional Engineer (Mechanical) Maryland. Safety analysis, nuclear power plant design, operations, foreign nuclear power plant system analysis, accident analysis, thermal hydraulics, shielding and dose assessment, nuclear licensing, and spent nuclear fuel dry storage safety analysis.

DOUGLAS OUTLAW, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS – FACILITY ACCIDENTS LEAD, APPENDIX D MANAGER

Education: Ph.D., Nuclear Physics, North Carolina State University
M.S., Nuclear Physics, North Carolina State University
B.S., Nuclear Physics, North Carolina State University

Experience/Technical Specialty:

Thirty-two years. Nuclear physics, safety analysis, and risk assessment.

KIRK OWENS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS MANAGER

Education: B.S., Environmental Resource Management, The Pennsylvania State University

Experience/Technical Specialty:

Thirty-three years. Radioactive waste management, regulatory analysis, environmental compliance and assessment, and radiological impacts assessment.

LAUREN OWENS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: PUBLIC OUTREACH SUPPORT

Education: B.A., Architectural Studies, University of Pittsburgh

Experience/Technical Specialty:

One year. Assisting in meeting logistics and document preparation and distribution.

SHARON M. PIETZYK, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: CULTURAL RESOURCES LEAD AND ADMINISTRATIVE RECORD MANAGER

Education: M.S., Systems Management, University of Southern California
B.S., Biology, James Madison University

Experience/Technical Specialty:

Twenty-three years. NEPA compliance, ecological resources, cultural resources, comment response, public outreach, technical writing, administrative record, and quality assurance.

MICHAEL RAINER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: WATER RESOURCES LEAD

Education: B.S., Agronomy (Soils), Louisiana Tech University

Experience/Technical Specialty:

Twenty years. Soils, erosion, rural roads and crossings, natural resource management, and NEPA.

LINDA ROBINSON, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: PROJECT QUALITY ASSURANCE LEAD

Education: M.B.A., Loyola University
B.S. Ed., Earth Sciences, Texas Christian University

Experience/Technical Specialty:

Thirty years. Nuclear and hazardous waste environmental project management, environmental regulatory compliance, public outreach, and quality assurance.

GARY ROLES, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: CHAPTER 4, APPENDICES F, G, H, AND I MANAGER; IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES, DEACTIVATION, DECONTAMINATION AND DECOMMISSIONING, AND MITIGATION LEAD

Education: M.S., Nuclear Engineering, University of Arizona
B.S., Mechanical Engineering, Arizona State University

Experience/Technical Specialty:

Thirty-two years. Radioactive waste management, regulatory and compliance analysis, and NEPA analysis.

SEAN SCHATZEL, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: SOCIOECONOMICS AND ENVIRONMENTAL JUSTICE LEAD

Education: B.A., Political Economics/Public Administration, Bloomsburg University

Experience/Technical Specialty:

Four years. Socioeconomics and environmental justice.

JAMES SCHINNER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: LAND USE, VISUAL RESOURCES, AND CUMULATIVE IMPACTS LEAD

Education: Ph.D., Wildlife Management, Michigan State University
M.S., Zoology, University of Cincinnati
B.S., Zoology, University of Cincinnati

Experience/Technical Specialty:

Thirty-eight years. Ecological field assessments, NEPA documentation, and regulatory reviews.

ROBERT SCHLEGEL, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS – AFFECTED ENVIRONMENT LEAD

Education: M.S., Nuclear Engineering, Columbia University
B.S., Chemical Engineering, Massachusetts Institute of Technology

Experience/Technical Specialty:

Forty-eight years. NEPA document preparation, Safety Analyses Report preparation, and assessment of radiological doses/associated adverse health impacts.

WALTER SOVEROW, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: ADMINISTRATIVE RECORD AND PUBLIC OUTREACH SUPPORT

Education: B.S., Business Administration, Rochester Institute of Technology

Experience/Technical Specialty:

Eighteen years. Assisting in meeting logistics and document preparation and distribution.

ELLEN TAYLOR, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: CHAPTER 2 AND APPENDIX B MANAGER

Education: Ph.D., Biology, University of Pennsylvania
B.A., Zoology, University of Vermont

Experience/Technical Specialty:

Twenty-seven years. Environmental compliance and NEPA assessments.

AL TOBLIN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS – ACCIDENT ANALYSIS

Education: M.S., Chemical Engineering, University of Maryland
B.E., Chemical Engineering, Cooper Union

Experience/Technical Specialty:

Thirty-eight years. Contaminant transport through air, groundwater, and surface water and accident risk analysis.

GILBERT H. WALDMAN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

*SEIS RESPONSIBILITIES: HUMAN HEALTH IMPACTS – NORMAL OPERATIONS LEAD,
APPENDIX C MANAGER*

Education: M.S., Engineering Management, Johns Hopkins University
B.S., Nuclear Engineering, University of Florida

Experience/Technical Specialty:

Nineteen years. Radiological impacts analysis, radiological dose modeling, and radiological risk assessments.

ROBERT WERTH, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

SEIS RESPONSIBILITIES: AIR QUALITY AND NOISE LEAD

Education: B.A., Physics, Gordon College

Experience/Technical Specialty:

Thirty-three years. Acoustics and air quality analysis, regulatory reviews, and NEPA documentation.