
CHAPTER 8

LIST OF PREPARERS

Name: Mohammed Abu-Shehadeh
Affiliation: Parsons Brinckerhoff
Education: Ph.D., Nuclear Engineering, University of Tennessee
Technical Experience: 6 years of experience in health physics
SWEIS Responsibility: Radiological air quality impacts, radiological human health risk, radiological doses to workers, radioactive waste management impacts, radiological unusual occurrence reporting, and driver doses calculations for the transportation risk impacts

Name: Karen Agogino
Affiliation: U.S. Department of Energy
Education: B.S., Civil Engineering, University of New Mexico
Technical Experience: 18 years of work experience, including 14 years in environmental and water resources
SWEIS Responsibility: Lead Preparer for: water resources, geology and soils, environmental restoration, and project-specific analysis of the expansion of TA-54/Area G low-level waste disposal area

Name: Tom Anderson
Affiliation: Dames & Moore, Inc.
Education: B.S., Botany, Ohio State University
Technical Experience: 24 years in preparation of NEPA documents for state and federal agencies
SWEIS Responsibility: Technical Advisor (1996 to 1997)

Name: **Randy Balice**
Affiliation: Parsons Brinckerhoff
Education: B.S., Biology, University of Utah
M.S., Geography, University of Utah
M.S., Statistics, University of Idaho
Ph.D., Forestry, University of Idaho
Technical Experience: 24 years in biological and ecological sciences
SWEIS Responsibility: Biological resources

Name: **Dave Ball**
Affiliation: GRAM, Inc.
Education: B.S., Mechanical Engineering, University of New Mexico
M.S., Civil/Environmental Engineering, New Mexico State University
Technical Experience: 25 years in engineering and management
SWEIS Responsibility: Contractor (GRAM, Inc.) Project Manager (1995 to 1996)

Name: **Michael J. Barr**
Affiliation: Parsons Brinckerhoff
Education: B.S., Ceramic Engineering, State University of New York at Alfred
M.B.A., Business, University of New Mexico
W.E.R.C., Certification, University of New Mexico
Technical Experience: 34 years of experience including:

- 12 years in materials processing and development
- 12 years in nuclear materials processing
- 10 years in environmental engineering and waste management

SWEIS Responsibility: Contaminated space estimation

Name: **Rex Borders**
Affiliation: U.S. Department of Energy
Education: B.S., Health Physics, Elizabethtown College
M.S., Nuclear Engineering, University of New Mexico
Technical Experience:

- 26 years of experience in health physics and nuclear engineering
- Certified Health Physicist

SWEIS Responsibility: Lead Preparer for radiological air quality; also participated in human health analysis

Name: Barry D. Boughton
Affiliation: Sandia National Laboratories
Education: B.S., Mechanical Engineering
M.S., Mechanical Engineering
Technical Experience: 1 year of experience in risk analysis
SWEIS Responsibility: Transportation risk analysis

Name: Casey Brennan
Affiliation: Tetra Tech, Inc.
Education: B.S., Civil Engineering, Brown University, Providence, Rhode Island
Technical Experience: 2 years of experience in NEPA analysis
SWEIS Responsibility: Geology and soils and aircraft crash accident analyses

Name: Dana Nunez Brown
Affiliation: Parsons Brinckerhoff
Education: M.L.A., Landscape Architecture, Harvard University
B.L.A., Landscape Architecture, Louisiana State University, 1979
Technical Experience: 16 years of experience preparing environmental documents, visual assessments, landscape architecture, and geographic information systems
SWEIS Responsibility: Land use

Name: Patricia Coffin
Affiliation: Systematic Management Services, Inc.
Education: B.A., History, State University of New York at Binghamton
Technical Experience: 10 years of experience, including over 4 years in NEPA compliance
SWEIS Responsibility: Comment Response Document (volume IV)

Name: Catherine Coghill
Affiliation: Parsons Brinckerhoff
Education: B.A., Political Science & Sociology, St. Lawrence University
M.S., Environmental Policy & Management, University of Denver
Technical Experience: 4 years of experience in public affairs associated with DOE NEPA projects
SWEIS Responsibility: Community relations and cultural resources

Name: Ervin R. Copus
Affiliation: Sandia National Laboratories
Education: B.S., Nuclear Engineering
M.S., Nuclear Engineering
Technical Experience: 2 years of experience in risk assessment
SWEIS Responsibility: Transportation risk analysis

Name: Corey Cruz
Affiliation: U.S. Department of Energy
Education: B.S., Chemical Engineering, University of California, Berkeley
M.S., Industrial Engineering, New Mexico State University
Technical Experience: Over 13 years of experience in DOE program and project management
SWEIS Responsibility: DOE Document Manager; also, Lead Preparer for: socioeconomics, infrastructure and waste management, environmental justice, transportation, and project-specific analysis of enhancement of plutonium pit manufacturing

Name: **Rudolf Engelmann**
Affiliation: Science Applications International Incorporated
Education: B.A., Mathematics, Augsburg College
Ph.D., Atmospheric Sciences, University of Washington
Technical Experience:

- 38 years of experience in environmental assessment and atmospheric sciences
- Certified Consulting Meteorologist

SWEIS Responsibility: Technical Advisor on human health, transportation, air quality, and accident analysis

Name: **Ronald G. Faich**
Affiliation: GRAM, Inc.
Education: B.S., Math major, Physics minor, University of Wisconsin
M.S., Sociology and Quantitative Research Methods, University of Wisconsin
Ph.D., Sociology and Quantitative Research Methods, University of Wisconsin
Technical Experience: 35 years of experience in socioeconomic, demographic, cartographic and survey research
SWEIS Responsibility: Socioeconomics and environmental justice

Name: **Stephen Fong**
Affiliation: U.S. Department of Energy
Education: B.S., Mechanical Engineering, University of New Mexico
Technical Experience: 9 years of oversight of environmental compliance and monitoring programs at LANL, primarily in the area of ambient air quality
SWEIS Responsibility: Air quality

Name: Nanette D. Founds
Affiliation: U.S. Department of Energy
Education: Graduate Studies, Mechanical Engineering, University of New Mexico
B.S., Aeronautical Engineering, Air Force Institute of Technology
B.S., Chemistry, University of Nebraska, Lincoln
Technical Experience:

- Project Manager, Site-Wide Environmental Impact Statement for the Continued Operations of the Pantex Plant and Associated Storage of Nuclear Weapon Components
- Project Manager, Operational Readiness Reviews, Albuquerque Operations Office
- Branch Chief, Fluid Mechanics Branch, U.S. Air Force Weapons Laboratory

SWEIS Responsibility: Lead Preparer for accident analysis

Name: F. David Freytag, AICP
Affiliation: Parsons Brinckerhoff
Education: M.U.P., Urban and Regional Planning, College of Architecture, Texas A&M University
B.E.D., Environmental Design, Texas A&M University
Technical Experience: 8 years of experience preparing environmental documents, transportation planning, and geographic information systems
SWEIS Responsibility: Land use

Name: Joe Fritts
Affiliation: GRAM, Inc.
Education: B.S., Geology, University of New Mexico
Technical Experience: 11 years of experience performing hydrogeologic site characterizations (includes work at environmental restoration and uranium tailings sites)
SWEIS Responsibility: Geology and water resources

Name: Helen Ginzburg
Affiliation: Parsons Brinckerhoff
Education: M.S., Air Quality, Leningrad Hydro Meteorological Institute
Technical Experience: 16 years in air quality meteorology and mathematical modeling
SWEIS Responsibility: Nonradiological air quality

Name: Shiv N. Goel
Affiliation: U.S. Department of Energy
Education: M.S., Environmental Engineering, University of New Mexico
B.S., Mining Engineering, Indian School of Mines
Registered Professional Engineer in the states of New Mexico and California
Technical Experience: 29 years of Environmental Engineering experience including:

- 7 years as an Environmental Engineer responsible for DOE Albuquerque Operations Office
- 2 years as a Supervisor of the Engineering Section for the City of Albuquerque Environmental Health Division
- 4.5 years as a Supervisory Engineer/Environmental Engineer with the State of New Mexico, Environmental Improvement Division

SWEIS Responsibility: Lead Preparer for nonradiological air analysis

Name: Timothy J. Goering
Affiliation: GRAM, Inc.
Education: B.A., Environmental Science, University of Virginia
M.S., Hydrology, University of Arizona
Technical Experience: 12 years of experience in environmental analysis and remediation
SWEIS Responsibility: Environmental restoration

Name: Kathleen Gorman-Bates
Affiliation: GRAM, Inc.
Education: B.S., Biology, St. Mary's College, Dodge City Kansas
Technical Experience: 9 years in radiochemistry, biology, microbiology, and health and safety
SWEIS Responsibility: Nonradiological air quality

Name: Davin G. Greenly
Affiliation: Tetra Tech, Inc.
Education: B.S., Environmental Engineering, California Polytechnic State University
Technical Experience: 2 years of experience in NEPA analysis
SWEIS Responsibility: Aircraft crash accident analysis, transportation, and biological resources

Name: William L. Harrell
Affiliation: U.S. Department of Energy
Education: B.S., Wildlife Science, Texas A&M University (with Honors)
Graduate studies (20 hours), Environmental Science, Texas Christian University
Technical Experience: 27 years of experience in Environmental Protection and Compliance Programs, including planning and operations of federal water resource projects and DOE plants and laboratories; wildlife and ecological effects analysis and resource management; environmental restoration program and environmental compliance management; and NEPA compliance for federal projects
SWEIS Responsibility: Lead Preparer for regulatory background and compliance (chapter 7)

Name: John Hogan
Affiliation: GRAM, Inc.
Education: B.S., Biology, University of New Mexico
Technical Experience: 11 years of experience in field biology and ecology
SWEIS Responsibility: Ecological risk and biodiversity

Name: William R. James
Affiliation: GRAM, Inc.
Education: B.S., Biological Sciences, Wright State University
M.S., Health Physics, University of Cincinnati
Technical Experience:

- 6 years in Occupational and Environment Health Physics
- 1 year in Emergency Preparedness
- 1 year in Occupational Health and Safety

SWEIS Responsibility: Radiological risk assessment for workers and on-site transportation

Name: Kevin Keller
Affiliation: Parsons Brinckerhoff
Education: B.A., Geography, California State University, Fullerton
Technical Experience: 8 years of experience preparing environmental documents, computer-aided drafting and design, and geographic information systems
SWEIS Responsibility: Land use

Name: Jeffrey Kimball
Affiliation: U.S. Department of Energy
Education: B.S., Oceanography, University of Michigan
M.S., Geology (Seismology), University of Michigan
Technical Experience: 17 years of experience, primarily in siting and design of critical facilities to resist the loads from natural phenomena
SWEIS Responsibility: Technical Advisor on geology (seismic) and accident analysis

Name: J. Randall Kirchner
Affiliation: H&R Technical Associates, Inc.
Education: B.S., Nuclear Engineering, University of Tennessee
Technical Experience: Over 13 years of experience in probabilistic risk assessment, nuclear facility safety analysis, and transportation risk analysis
SWEIS Responsibility: Transportation risk analysis

Name: **Vadim Kogan**
Affiliation: Parsons Brinckerhoff
Education: Ph.D., Chemical Engineering, Moscow Institute of Chemical Technology
Technical Experience: 22 years in environmental engineering field
SWEIS Responsibility: Nonradiological air quality

Name: **John Lambright**
Affiliation: BETA Corporation, International, and Self-Employed Consultant
Education: B.S., Nuclear Engineering
M.S., Nuclear Engineering
Ph.D., Nuclear Engineering
Technical Experience: More than 20 years in risk assessment, safety analysis, and hazards analysis
SWEIS Responsibility: Accident analysis

Name: **Alice Lovegrove**
Affiliation: Parsons Brinckerhoff
Education: B.E., State University of New York at Stony Brook
M.S., State University of New York at Stony Brook
Technical Experience: 10 years in air quality
SWEIS Responsibility: Nonradiological air quality

Name: **Beth Medina**
Affiliation: Parsons Brinckerhoff
Education: B.A., Art, California State University, Long Beach
Technical Experience: 11 years of experience preparing environmental documents and graphics
SWEIS Responsibility: Land use

Name: Paul E. McCluer
Affiliation: H&R Technical Associates, Inc.
Education: B.S., Chemical Engineering, Tennessee Technological University
Technical Experience: 8 years of experience in DOE nuclear facility safety analysis and process hazards analysis in the refining and chemical processing industries and author or co-author of more than 30 reports and publications in the areas of DOE nuclear facility safety analysis and process hazards analysis
SWEIS Responsibility: Transportation risk analysis

Name: Donna McCormick
Affiliation: Parsons Brinckerhoff
Education: B.L.A., Landscape Architecture, California Polytechnic University
Technical Experience: 11 years of experience preparing environmental documents, visual assessments, and landscape architecture
SWEIS Responsibility: Land use

Name: Jere Millard
Affiliation: Dames & Moore, Inc.
Education: B.A., Biology & Psychology, Colorado State University
M.S., Radiobiology, Colorado State University
M.S., Health Physics, Colorado State University
Ph.D., Health Physics, Colorado State University
Technical Experience: 18 years in radiation physics/radiation ecology
SWEIS Responsibility: Human health and ecological risk

Name: Douglas Minnema
Affiliation: U.S. Department of Energy
Education: B.S., Nuclear Engineering, University of Michigan
M.S., Nuclear Engineering, University of Michigan
M.S., Radiological Health, University of Michigan
Ph.D. Candidate, Nuclear Engineering, University of New Mexico
(in progress)
Technical Experience:

- 18 years in nuclear engineering, health physics, and radiological control
- Certified Health Physicist

SWEIS Responsibility: Lead Preparer for human health risk; Technical Advisor on transportation, and accident analysis

Name: Robert A. Monsalve-Jones
Affiliation: GRAM, Inc.
Education: A.S., Nuclear Engineering, Pennsylvania State University
B.S., Radiation Protection, Thomas Edison State College
Technical Experience: 24 years as a Radiation Protection Specialist and Health Physicist in nuclear powerplants and at decontamination and decommissioning projects, and performing environmental investigations, risk analysis, and dose assessments for DOE and private clients, nationally and internationally
SWEIS Responsibility: Radioactive air quality and human health

Name: Elizabeth Mooney
Affiliation: Dames & Moore, Inc.
Education: B.S., Zoology and Wildlife Ecology, Michigan State University
M.A., Environmental Toxicology, The American University
Technical Experience:

- 10 years in toxicology
- 5 years in risk assessment
- 10 years in ecology

SWEIS Responsibility: Ecological risk

Name: Abby Nagy
Affiliation: Dames & Moore, Inc.
Education: B.S., Chemical Engineering, Ohio State University
Technical Experience: 7 years in chemical engineering process and environmental analysis
SWEIS Responsibility: Transportation and environmental restoration

Name: Marilyn Norcini
Affiliation: GRAM, Inc.
Education: M.A., History, Museum Studies, Cooperstown Graduate Programs, State University of New York, Oneonta
M.A., Anthropology, University of Arizona
Ph.D., Anthropology, University of Arizona
Technical Experience: 22 years of experience in cultural resources interpretation
SWEIS Responsibility: Cultural resources

Name: Claudia Oakes
Affiliation: Parsons Brinckerhoff
Education: Ph.D. (ABD), Geography, University of Texas at Austin
Technical Experience: 5 years as an environmental specialist in biogeographic studies and geophysical and cultural applications
SWEIS Responsibility: Cultural resources

Name: John Ordaz
Affiliation: U.S. Department of Energy
Education: B.S., Chemical Engineering, New Jersey Institute of Technology
Technical Experience: 20 years of experience, including over 7 years in DOE program management and NEPA compliance
SWEIS Responsibility: DOE/HQ Program Manager; also, Lead Preparer for the Comment Response Document (volume IV)

Name: Carol S. Pazera
Affiliation: Parsons Brinckerhoff
Education: B.A., Secondary Education, University of Illinois
M.A., Latin American Studies, University of Texas at Austin
M.S., Community and Regional Planning, University of Texas at Austin
Technical Experience: 3 years in socioeconomics
SWEIS Responsibility: Socioeconomics

Name: Chuck Pergler
Affiliation: GRAM, Inc.
Education: B.S., Range and Wildlands Science, University of California
M.S., Range Management, University of California
Technical Experience: 14 years developing and implementing natural resource range plans, biological assessments, NEPA manager, and technical author
SWEIS Responsibility: Biodiversity and ecological risk

Name: Susan Perlman
Affiliation: SWCA Environmental Consultants
Education: B.S., Environmental Forestry, Colorado State University
M.A., History, New Mexico State University
Technical Experience: 8 years of historical research in ethnography
SWEIS Responsibility: Cultural resources

Name: Jeffrey P. Petraglia
Affiliation: Tetra Tech, Inc.
Education: B.A., Nuclear Engineering, Pennsylvania State University
Technical Experience: 14 years of experience in safety and accident analyses
SWEIS Responsibility: Aircraft crash accident analysis

Name: Beverly Ausmus Ramsey
Affiliation: Enterprise Advisory Services, Inc.
Education: B.S., Chemistry/Biology
M.S., Systems Ecology
Ph.D., Systems Ecology
Technical Experience: 29 years of experience in environmental management and facility operations, especially radiological, hazardous and mixed waste management, facilities licensing, and regulatory compliance. Experience includes more than 25 years of experience in NEPA analysis and documentation, including human health impacts, ecological impacts, and cumulative impacts analysis
SWEIS Responsibility: Technical Advisor on human health

Name: William R. Rhyne
Affiliation: H&R Technical Associates
Education: B.S., Nuclear Engineering, University of Tennessee
M.S., Nuclear Engineering, University of Virginia
D.Sc., Nuclear Engineering, University of Virginia
Technical Experience:

- Over 30 years of experience in transportation risk analysis, DOE nuclear facility safety analysis, and commercial nuclear reactor safety analysis
- Author or co-author of more than 50 reports and publications in the areas of transportation risk analysis and nuclear facility safety analysis
- Author of Hazardous Materials Transportation Risk Analysis: Quantitative Approaches for Truck and Train

SWEIS Responsibility: Transportation risk analysis

Name: Eric Rogoff
Affiliation: GRAM, Inc.
Education: B.S., Geology, with Distinction, University of Kansas
M.S., Hydrology, University of Arizona
M.Phil., Geology, Yale University
Technical Experience: 7 years of experience in environmental consulting
SWEIS Responsibility: Water resources, geology, and soils

Name: Francis Rowsome
Affiliation: U.S. Department of Energy
Education: B.A., Physics (cum laude), Harvard University
Graduate studies in theoretical physics, Cornell University
Technical Experience: 24 years of experience in nuclear safety engineering
SWEIS Responsibility: Technical Advisor for accident analysis

Name: Noel Savignac
Affiliation: Self-employed Consultant
Education: B.A., Biology, Lake Forest College
M.S., Physiology, University of New Mexico
Ph.D., Health Physics, Colorado State University
Technical Experience: 27 years in radiation protection, environmental assessment, and impact analyses
SWEIS Responsibility: Human health

Name: Steve Sholly
Affiliation: BETA Corporation, International
Education: B.S., Shippensburg State College
Technical Experience: 15 years in risk assessment, safety analysis, and hazards analysis
SWEIS Responsibility: Accident analysis

Name: Mark Sifuentes
Affiliation: U.S. Department of Energy
Education: B.S., Biology (Chemistry minor)
M.S., Microbiology (Radiobiology minor)
Technical Experience: 28 years in NEPA compliance and biological sciences
SWEIS Responsibility: Lead Preparer for: biological and ecological resources, and cultural resources

Name: Donald G. Silva
Affiliation: GRAM, Inc.
Education: E.M.B.A., Management, University of New Mexico
M.S.C.E., Air Pollution, New York University
M.S., Industrial Hygiene, Environmental Health, Harvard University
B.C.E., Sanitary Engineering, Manhattan College
Technical Experience: • 38 years in environmental field including 27 years in direct NEPA documentation and methodology development
• Diplomat of American Academy of Environmental Engineers
SWEIS Responsibility: Contractor (GRAM, Inc.) Project Manager 1996 to 1997

Name: Bret E. Simpkins
Affiliation: Tetra Tech, Inc.
Education: B.S., Nuclear Engineering, University of New Mexico
M.S., Nuclear Engineering, University of New Mexico
Technical Experience: 13 years of experience in Safety and Accident Analyses
SWEIS Responsibility: Accident analysis

Name: Constance L. Soden
Affiliation: U.S. Department of Energy
Education: B.A., Radiation Biophysics
Technical Experience: 23 years of experience in the areas of occupational health and environmental protection
SWEIS Responsibility: Lead Preparer for cumulative and unavoidable impacts

Name: Joel Soden
Affiliation: Parsons Brinckerhoff
Education: M.S., Hunter College
Technical Experience: • 24 years in air quality
• Supervised a number of projects in various air quality fields
SWEIS Responsibility: Nonradiological air quality

Name: John Stanford
Affiliation: GRAM, Inc.
Education: B.A., Architecture, University of Houston
M.S., City Planning, Georgia Tech
Technical Experience:

- 10 years in city/county urban planning
- 3 years at Los Alamos National Laboratory, Facility Management

SWEIS Responsibility: Land use

Name: Arlan Swihart
Affiliation: BETA Corporation, International
Education: B.S., Emergency Administration and Planning, University of North Texas
Technical Experience:

- 3 years in solid waste management
- 4.5 years in emergency planning/hazard management (hazard identification, scenario development, and consequence analysis)

SWEIS Responsibility: Transportation analyses

Name: Erich C. Thomas
Affiliation: GRAM, Inc.
Education: B.S., Western Washington University
M.S., Western Washington University
Technical Experience: 17 years of technical geologic investigations and related assessments
SWEIS Responsibility: Environmental restoration

Name: **Gordon L. Tucker**
Affiliation: GRAM, Inc.
Education: M.S., Systems Management, University of Southern California
M.S., Meteorology, University of Wisconsin
B.S., Electrical Engineering, University of Massachusetts
Technical Experience:

- 25 years in meteorology/atmospheric science
- 4 years of hazardous chemicals safety training

SWEIS Responsibility: Air quality (meteorology and atmospheric dispersion modeling)

Name: **Leonard R. Voellinger**
Affiliation: Parsons Brinckerhoff
Education: B.A., George Washington University
M.A., Southwest Texas State University
Technical Experience: 19 years in cultural resource analysis and management
SWEIS Responsibility: Cultural resources

Name: **Darlene Williams**
Affiliation: GRAM, Inc.
Education: B.A., Geology and Mineralogy, Williams College
Technical Experience:

- 6 years in the hazardous waste management industry
- Experience includes oversight work for the EPA, Remedial Investigation/Feasibility Study report preparation and work on DOE's Transuranic Waste Program

SWEIS Responsibility: Geology and soils

Name: **Michael Williams**
Affiliation: BETA Corporation, International
Education: B.S., Environmental & Resource Management, Southwest Texas State University
Technical Experience: 10 years of experience in environmental assessments, environmental restoration, emergency response, accident analysis/accident investigation, and regulatory compliance
SWEIS Responsibility: Accident analysis and transportation analysis

Name: Elizabeth Withers
Affiliation: U.S. Department of Energy
Education: B.S., Botany, Louisiana Tech University
M.S., Life Sciences, Louisiana Tech University
Technical Experience: 16 years in environmental analysis experience, including 5 years in plant taxonomy and wetland ecology, 5 years in RCRA and CERCLA compliance and human health risk analysis, and 6 years in NEPA compliance
SWEIS Responsibility: Lead Preparer for land resources; also participated in ecological resources analysis

Name: Steven Wolf
Affiliation: Parsons Brinckerhoff
Education: M.S., Mathematics
Technical Experience: 22 years of preparing risk assessments to include noise and vibrations
SWEIS Responsibility: Noise and vibration analysis