

## CHAPTER 10 LIST OF PREPARERS

### U.S. DEPARTMENT OF ENERGY

---

**Burandt, Mary Beth**

EIS Responsibilities: *Document Manager*

Education: M.S., Engineering Management, Catholic University of America  
B.S., Biomedical Engineering, Marquette University

Experience: 24 years

**Chapin, Doug**

EIS Responsibilities: *Fast Flux Test Facility Lead*

Education: B.S., Biology, Whitworth College

Experience: 31 years

**Daniels, Jeff**

EIS Responsibilities: *Cost and Schedule Lead*

Education: B.A., Finance, Washington State University

Experience: 23 years

**Gardner-Clayson, Thomas**

EIS Responsibilities: *Groundwater Resources Lead*

Education: B.S., Chemistry, University of the State of New York, Regents College

Experience: 20 years

**Gelles, Christine**

EIS Responsibilities: *Offsite Waste Data Package Co-Lead*

Education: B.A., Liberal Arts, Mount Saint Mary's College

Experience: 14 years

**Tonkay, Doug**

EIS Responsibilities: *Offsite Waste Data Package Co-Lead*

Education: M.S., Nuclear Engineering, Pennsylvania State University

B.S., Nuclear Engineering, Pennsylvania State University

Experience: 26 years

### SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

---

**Antizzo, Karen**

EIS Responsibilities: *Quality Assurance; Waste Management*

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

B.S., Education, Towson State University

Experience: 17 years

**Baxter, Brian**

EIS Responsibilities: *Cartography/Geographic Information Systems Manager; Mapping*

Education: B.S., Geography, East Tennessee State University

Certificate in Geographic Information System Technology, Roane State  
Community College

Experience: 13 years

**Beatson, Bryan**

EIS Responsibilities: *Quality Assurance; Groundwater Support; Co-Manager*–Appendix V, “Black Rock Reservoir Sensitivity Analysis”  
Education: M.S., Environmental Science and Public Policy, George Mason University  
B.S., Biology, Radford University  
Experience: 13 years

**Binder, Terri**

EIS Responsibilities: *Socioeconomics; Quality Assurance*  
Education: M.A., Organizational Learning and Instructional Technology, University of New Mexico  
B.A., Mathematics, University of California, Los Angeles  
Experience: 18 years

**Brandenburg, Courtney**

EIS Responsibilities: *Human Health Dose and Risk Analysis; Co-Manager*–Appendix Q, “Human Health, Dose, and Risk Analysis”  
Education: B.S., Chemical Engineering, University of Maryland Baltimore County  
Experience: 6 years

**Burns, Thomas**

EIS Responsibilities: *Ecological Resources and Risk Manager*–Appendix P, “Ecological Resources and Risk Analysis”; *Co-Manager*–Appendix L, “Groundwater Flow Field Development”  
Education: Ph.D., Ecology, University of Georgia  
M.S., Marine Biology, University of Miami  
B.S., Biology, University of Notre Dame  
Experience: 30 years

**Cavanaugh, Sydel**

EIS Responsibilities: *Project File Manager; Outreach; Quality Assurance; Manager*–Chapter 11, “Distribution List,” and Appendix A, “*Federal Register* and Other Public Notices”  
Education: B.A., Interdisciplinary Studies-Personnel and Sociology, University of Maryland Baltimore County  
Experience: 24 years

**DiMarzio, John**

EIS Responsibilities: *Cumulative Impacts; Co-Manager*–Chapter 6, “Cumulative Impacts,” Appendix R, “Cumulative Impacts: Assessment Methodology,” Appendix T, “Supporting Information for the Short-Term Cumulative Impact Analyses,” and Appendix U, “Supporting Information for the Long-Term Cumulative Impact Analyses”  
Education: M.S., Geology, George Washington University  
B.S., Geology, University of Maryland  
Experience: 28 years

**Dixon, Sharay**

EIS Responsibilities: *Air Quality and Meteorological Dose Assessment Modeling; Quality Assurance*  
Education: B.S., Environmental Management, University of Maryland University College  
A.S., Applied Science, Weather Technology  
Experience: 11 years

**Eichner, John**

EIS Responsibilities: *Environmental Justice; Co-Manager–Appendix J, “Environmental Justice”*

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

Experience: 28 years

**Folk, Kevin**

EIS Responsibilities: *Land Use; Infrastructure; Geology and Soils; Water Resources; Manager–Chapter 4, “Short-Term Environmental Consequences”*

Education: M.S., Environmental Biology, Hood College  
B.A., Geoenvironmental Studies, Shippensburg University of Pennsylvania  
A.A., General Studies, Frederick Community College

Experience: 20 years

**Gagne, Roger**

EIS Responsibilities: *Comment Response System; Computer and Technical Support*

Education: A.A., Computer Science/Business Programming, Montgomery Community College

Experience: 18 years

**Gannon, Ben**

EIS Responsibilities: *Lead Project Engineer; Data Development; Co-Manager–Appendix D, “Waste Inventories,” Appendix E, “Descriptions of Facilities, Operations, and Technologies,” Appendix S, “Waste Inventories for Cumulative Impact Analyses,” and “Draft Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington” – Reader’s Guide*

Education: M.S., Environmental Management, University of Maryland  
B.S., Civil Engineering, University of Maryland

Experience: 38 years

**Gorden, Milton**

EIS Responsibilities: *Transportation; Co-Manager–Appendix H, “Transportation”*

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

Experience: 19 years

**Grant, Michael W.**

EIS Responsibilities: *Performance/Risk Assessment; Fate and Transport Modeling; Parameter Estimation; Statistics; Geostatistics*

Education: Ph.D., Chemistry, University of Tennessee  
M.S., Chemical Engineering, University of Cincinnati  
B.S., Chemistry, University of Tennessee

Experience: 28 years

**Greene, Aaron**

EIS Responsibilities: *Quality Assurance; Artificial Recharge; Vadose Zone and Groundwater Modeling; Manager–“Measurement Units and Metric Conversion Chart”*

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

Experience: 7 years

**Harms, Diane**

EIS Responsibilities: *Technical Writer and Lead Editor; Manager*—Chapter 9, “Glossary”  
Education: B.F.A., Fine Arts, University of Connecticut  
Experience: 22 years

**Heiser, Scott**

EIS Responsibilities: *Air Quality; Emissions Calculations; Quality Assurance; Manager*—Chapter 7, “Environmental Consequences Discussion,” Appendix E, “Descriptions of Facilities, Operations, and Technologies”  
Education: M.S., Engineering Management, University of Maryland  
B.S., Mechanical Engineering, Virginia Polytechnic Institute and State University  
Experience: 18 years

**Hirrlinger, Diana**

EIS Responsibilities: *Project Quality Assurance Manager; Co-Manager*—“Executive Summary,” Chapter 2, “Proposed Actions and Alternatives”  
Education: M.B.A., Marketing and Organizational Behavior, University of Maryland  
B.S., Conservation of Natural Resources, University of California, Berkeley  
Experience: 29 years

**Hoffman, Robert**

EIS Responsibilities: *Co-Manager*—“Executive Summary,” Chapter 2, “Proposed Actions and Alternatives”  
Education: B.S., Environmental Resource Management, Pennsylvania State University  
Experience: 24 years

**Hostetler, Charles** *Manager, Groundwater Flow Field Development; Vadose Zone and Groundwater*

EIS Responsibilities: *Modeling and Analysis; Co-Manager*—Appendix O, “Groundwater Transport Analysis,” and Appendix V, “Black Rock Reservoir Sensitivity Analysis”  
Education: Ph.D., Planetary Sciences, University of Arizona  
B.S., Geosciences, University of Arizona  
Experience: 26 years

**Huffman, Mark**

EIS Responsibilities: *Manager, Software Configuration Database Management; Comment Response System; Quality Assurance; Co-Manager*—Appendix I, “Workforce Estimates”  
Education: B.S., Business and Management, University of Maryland  
A.A., Data Processing, Hagerstown Junior College  
Experience: 25 years

**Jamison, James**

EIS Responsibilities: *Accident Analysis; Co-Manager*—Appendix K, “Human Health Risk Analysis”  
Education: B.A., Physics, Doane College  
Experience: 38 years

**Johnson, Angela**

EIS Responsibilities: *Ecological Resources and Risk Analysis; Quality Assurance*  
Education: B.S., Biology, East Tennessee State University  
Experience: 12 years

**Johnson, Charlotte**

EIS Responsibilities: *Project Manager*  
Education: M.S., Technology Management, University of Maryland  
B.S., Chemistry, University of Maryland  
Experience: 30 years

**Kalmar, Michael**

EIS Responsibilities: *Graphic Design*  
Education: A.S., Applied Science, Rochester Institute of Technology  
Experience: 20 years

**Karimi, Roy**

EIS Responsibilities: *Transportation Risk Assessment; Co-Manager–Appendix H, “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.Sc., Chemical Engineering, Abadan Institute of Technology  
Experience: 32 years

**Kummerfeldt, Maria**

EIS Responsibilities: *Document Production*  
Education: A.A.S., Commercial Art, Northern Virginia Community College  
Certification, Publications Specialist, George Washington University  
Experience: 28 years

**Leed, Laura**

EIS Responsibilities: *Non-Radiological Air Quality Modeling*  
Education: M.S., Environmental Management, University of Maryland  
B.A., Psychology/Biology, University of Maryland  
Experience: 18 years

**Martin, Greg**

EIS Responsibilities: *Accident Analysis*  
Education: M.S., Radiological Physics, San Diego State University  
B.S., Physics, San Diego State University  
Experience: 27 years

**Martin, James**

EIS Responsibilities: *Technical Editor; Manager–Chapter 12, “Index”*  
Education: M.S., Theoretical Linguistics, Georgetown University  
B.S., Modern Languages, Memphis State University  
Experience: 41 years

**Mirsky, Steve**

EIS Responsibilities: *Accident Analysis*  
Education: M.S., Nuclear Engineering, Pennsylvania State University  
B.S., Mechanical Engineering, Cooper Union  
Experience: 33 years

**Mixon, Steve**

EIS Responsibilities: *Technical Writer and Editor; Co-Manager–“Draft Tank Closure and Waste Management Environmental Impact Statement for the Hanford Site, Richland, Washington” – Reader’s Guide*

Education: B.S., Communications, University of Tennessee

Experience: 21 years

**Nelson, Shea**

EIS Responsibilities: *Vadose Zone and Groundwater Modeling and Analysis; Manager–Appendix F, “Direct and Indirect Impacts: Assessment Methodology”; Co-Manager–Appendix M, “Release to Vadose Zone,” and Appendix N, “Vadose Zone Flow and Transport”*

Education: M.E., Environmental Engineering, University of Maryland

B.A., Environmental Science, University of Virginia

Experience: 9 years

**Oliveri, Joanna**

EIS Responsibilities: *Non-Radiological Air Quality Modeling*

Education: B.A., Natural Resources Management, University of Maryland

Experience: 13 years

**Olsen, Larry**

EIS Responsibilities: *Quality Assurance; Scheduling; Vadose Zone and Groundwater Modeling*

Education: M.A., Environmental Science, Washington State University

M.A., Business Administration, Nova University

Experience: 26 years

**Orr, Everett**

EIS Responsibilities: *Deputy Project Manager; Scheduling; Groundwater Flow Field Development; Co-Manager–Appendix L, “Groundwater Flow Field Development”*

Education: B.A., Business Administration, Montreat College

A.A.S., Civil Engineering, Spartanburg Technical College

Experience: 29 years

**Owens, Kirk**

EIS Responsibilities: *Normal Operations; Waste Management; Co-Manager–Appendix K, “Human Health Risk Analysis”*

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

Experience: 31 years

**Page, Alan**

EIS Responsibilities: *Outreach Support; Vadose Zone and Particle Tracking Modeling; MODFLOW Groundwater Flow Field Development Support; Maintain Tracking Logs*

Education: A.A., Social Sciences, Columbia Basin College

Experience: 7 years

**Pietzyk, Sharon**

EIS Responsibilities: *Administrative Record; Project File*

Education: M.S., Systems Management, University of Southern California

B.S., Biology, James Madison University

Experience: 27 years

**Preston, Margaret (Peggy)**

EIS Responsibilities: *Vadose Zone and Groundwater Modeling and Analysis; Co-Manager–Appendix D, “Waste Inventories”*  
Education: B.S., Environmental Science, University of Maryland Baltimore County  
Experience: 4 years

**Price, Joseph**

EIS Responsibilities: *Release to Vadose Zone Model; Vadose Zone Modeling and Analysis; Human Health Impacts; Co-Manager–Appendix K, “Human Health Risk Analysis,” Appendix M, “Release to Vadose Zone,” Appendix N, “Vadose Zone Flow and Transport,” and Appendix Q, “Human Health, Dose, and Risk Analysis”*  
Education: Ph.D., Chemical Engineering, University of Maryland  
M.S., Chemical Engineering, University of Maryland  
B.Ch.E., Chemical Engineering, University of Dayton  
Experience: 31 years

**Prindiville, Kerry**

EIS Responsibilities: *Groundwater Modeling; Quality Assurance; Co-Manager–Appendix O, “Groundwater Transport Analysis”*  
Education: M.S., Environmental Engineering, Washington State University  
B.S., Environmental Science, Washington State University  
Experience: 13 years

**Rhone, Jacquelyn**

EIS Responsibilities: *Manager, Document Production; Quality Assurance; Manager–Appendix B, “Contractor and Subcontractor National Environmental Policy Act Disclosure Statements”*  
Education: A.Sc., Radiological Health Technology, Central Florida Community College  
Experience: 37 years

**Richardson, John**

EIS Responsibilities: *Industrial Safety; Groundwater Model Development; Co-Manager–Appendix I, “Workforce Estimates,” and Appendix K, “Human Health Risk Analysis”*  
Education: B.S., General Science, Washington State University  
Experience: 14 years

**Robinson, Linda**

EIS Responsibilities: *Project Quality Advisor*  
Education: Executive M.B.A., Loyola College  
B.S. Ed., Earth Sciences, Texas Christian University  
Experience: 36 years

**Robinson, Sandra**

EIS Responsibilities: *Cultural Resources*  
Education: A.A., General, Frederick Community College  
Experience: 21 years

**Rooths, Bruce**

EIS Responsibilities: *Cost Impacts Analysis*  
Education: B.S., Economics, University of Pittsburgh  
Experience: 31 years

**Schatzel, Sean**

EIS Responsibilities: *Environmental Justice; Quality Assurance; Vadose Zone and Groundwater Modeling; Co-Manager–Appendix J, “Environmental Justice”*  
Education: B.A., Political Economics/Public Administration, Bloomsburg University  
Experience: 2 years

**Schinner, James**

EIS Responsibilities: *Cumulative Impacts; Ecological Resources; Cultural and Paleontological Resources; Land Use and Visual Resources; Manager–Chapter 3, “Affected Environment”; Co-Manager–Chapter 6, “Cumulative Impacts,” Appendix R, “Cumulative Impacts: Assessment Methodology,” Appendix T, “Supporting Information for the Short-Term Cumulative Impact Analyses,” and Appendix U, “Supporting Information for the Long-Term Cumulative Impact Analyses”*  
Education: Ph.D., Wildlife Management, Michigan State University  
M.S., Zoology, University of Cincinnati  
B.S., Zoology, University of Cincinnati  
Experience: 37 years

**Spivey, Mary Alice**

EIS Responsibilities: *Deputy Project Manager; Data Development; Manager–Chapter 1, “Proposed Actions: Background, Purpose, and Need,” Chapter 5, “Long-Term Environmental Consequences,” Chapter 8, “Potentially Applicable Laws, Regulations, and Other Requirements,” and Appendix C, “Cooperating Agency, Consultation and Other Interaction Documentation”; Co-Manager–Appendix S, “Waste Inventories for Cumulative Impact Analyses”*  
Education: B.S., Environmental Sciences, Florida Institute of Technology  
Experience: 26 years

**Stock, Diane**

EIS Responsibilities: *Administrative Record; Data Set Management*  
Education: B.A., Business Administration, Eastern Washington University  
Experience: 16 years

**Swanberg, David**

EIS Responsibilities: *Quality Assurance; Overall EIS Review; Engineering Support*  
Education: M.S., Chemical Engineering, Montana State University  
B.A., Chemistry, Bethel College  
Experience: 26 years

**Szerszen, Paul**

EIS Responsibilities: *Quality Assurance; Calculation and Analysis Package Review*  
Education: M.S., Electrical Engineering/Electromagnetics, Washington State University  
B.S., Electrical Engineering, Gonzaga University  
Experience: 25 years

**Todd-Robertson, Mary**

EIS Responsibilities: *Quality Assurance; Overall EIS Review; Technical Assistance*

Education: M.S., Environmental Engineering, Washington State University  
B.S., Petroleum Engineering, Montana College of Mineral Science and Technology

Experience: 21 years

**Upchurch, Audra**

EIS Responsibilities: *Air Quality; Socioeconomics; Water Quality*

Education: Graduate Certificate, Natural Resources, Virginia Polytechnic Institute and State University  
B.S., Forestry; Minor, Environmental Science, Virginia Polytechnic Institute and State University

Experience: 7 years

**Vance, Jenny**

EIS Responsibilities: *Quality Assurance; Microsoft Access and Excel Programming; Support Ecological Resources Risk Analysis*

Education: Graduate Certificate, Computing, University of Cincinnati  
B.A., Biology, Maryville College

Experience: 27 years

**Voorhies, Nathan**

EIS Responsibilities: *Groundwater Flow Field Development*

Education: M.A., Philosophy of Science, Ohio State University  
B.S., Chemical Engineering, University of Notre Dame

Experience: 16 years

**Waldman, Gilbert**

EIS Responsibilities: *Accident and Human Health Impacts Risk Analysis*

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

Experience: 18 years

**Werth, Robert**

EIS Responsibilities: *Noise; Air Quality; Manager–Appendix G, “Air Quality Analysis”*

Education: B.A., Physics, Gordon College

Experience: 35 years

**Wherley, Patricia**

EIS Responsibilities: *Responsible Corporate Manager, SAIC*

Education: B.A., Geography, George Washington University

Experience: 39 years

## **COLUMBIA ENERGY & ENVIRONMENTAL SERVICES**

---

### **Reich, Fred**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: M.S., Electrical Engineering South Dakota School of Mines

B.S., Electrical Engineering South Dakota School of Mines

Experience 42 years

### **Shields, Keith**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: M.S. Environmental Science, Washington State University

B.S., Physics, Whitman College

Experience: 20 years

### **Walker, Brian**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: B.S., Environmental Science, Washington State University

Experience: 11 years

## **COLUMBIA ENVIRONMENTAL SCIENCES, INC.**

---

### **Erikson, Bob**

EIS Responsibilities: *Professional Geologist, Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: M.S., Geochemistry and Mineralogy

B.A., Geology

Experience: 35 years

### **Phipps, Deborah**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: B.S., Biology, Texas A & M University

A.A., General Studies, Southwestern College

Experience: 9 years

### **Siping, Elizabeth**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: B.S., Biology, Eastern Washington University

Experience: 9 years

### **Stengle, Ryan**

EIS Responsibilities: *Computer Support, Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: B.S., Biology, Central Washington State University

B.S., Anthropology, Central Washington State University

Experience: 6 years

### **Yates, Ryan**

EIS Responsibilities: *Vadose Zone and Groundwater Flow and Transport Modeling and Analysis*

Education: B.S., Environmental Science, Washington State University

Experience: 4 years