
6. LIST OF PREPARERS

CHARLES R. HEAD, DEPARTMENT OF ENERGY

***EIS RESPONSIBILITIES:* DOE EIS PROJECT MANAGER**

Education: M.S., Control Theory, George Washington University
B.S., Electrical Engineering, Rice University

*Experience/
Technical Specialty:* Thirty-two years. Nuclear safety oversight, safeguards and security requirements, Tiger Team assessments, spent fuel storage.

PATRICK J. WELLS, DEPARTMENT OF ENERGY

***EIS RESPONSIBILITIES:* DOE EIS DEPUTY PROJECT MANAGER**

Education: M.S., Engineering Management, George Washington University
B.S., Civil Engineering, Marquette University

*Experience/
Technical Specialty:* Thirteen years. Occupational safety and health, oversight system acquisition, reliability, maintainability.

ARNOLD E. GUEVARA, DEPARTMENT OF ENERGY

***EIS RESPONSIBILITIES:* PROCESSING TECHNOLOGIES AND ALTERNATIVES**

Education: M.S., Engineering Management, George Washington University
B.S., Chemical Engineering, Tulane University

*Experience/
Technical Specialty:* Sixteen years. Environmental restoration, project and policy analysis, nuclear materials management.

TRACY MUSTIN, DEPARTMENT OF ENERGY

***EIS RESPONSIBILITIES:* PROCESSING TECHNOLOGIES AND ALTERNATIVES**

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

*Experience/
Technical Specialty:* Six years. Nuclear material stabilization, environmental assessment, environmental compliance.

CARL SYKES, DEPARTMENT OF ENERGY, ROCKY FLATS FIELD OFFICE

***EIS RESPONSIBILITIES:* PROCESSING TECHNOLOGIES AND ALTERNATIVES**

Education: M.S., Environmental Policy and Management, University of Denver
B.S., Chemical and Petroleum Refining Engineering, Colorado School of Mines

*Experience/
Technical Specialty:* Sixteen years. Nuclear operations, nuclear materials management, environmental regulatory compliance.

ABE ZEITOUN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC)

EIS RESPONSIBILITIES: SAIC PROJECT MANAGER, PURPOSE AND NEED, AND ALTERNATIVES

Education: Ph.D., Environmental Sciences, Michigan State University
M.S., Fisheries, Michigan State University
B.S., Chemistry & Zoology, University of Alexandria

Experience/

Technical Specialty: Twenty-five years. Environmental regulatory compliance and assessments, social impacts, mitigation of adverse impacts.

D. JANE AARON, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROCESSING TECHNOLOGIES AND ALTERNATIVES

Education: M.S., Environmental Policy and Management, University of Denver
B.S., Environmental Design, University of Colorado at Boulder

Experience/

Technical Specialty: Six years. Environmental regulatory compliance and analysis, environmental justice, cultural resource management.

PAULA W. AUSTIN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PUBLIC SCOPING AND HEARINGS AND SUMMARY

Education: B.S., Management and Technology, University of Maryland

Experience/

Technical Specialty: Twenty years. Nuclear and waste management policy analysis, technical writing, and communications.

RAKESH BHADUR, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: ENVIRONMENTAL JUSTICE AND GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Education: Ph.D., Groundwater Hydrology, Colorado State University
M.S., Groundwater Hydrology, Colorado State University
M.Sc., Geology, Punjab University

Experience/

Technical Specialty: Seventeen years. Hydrology, water pollution and hazardous waste management, site characterization, environmental assessment, risk assessment, modeling, high-resolution simulation.

LOUIS C. BORGHI, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: CHEMICAL CONSEQUENCES AND AFFECTED ENVIRONMENT

Education: M.S., Ecology, Pennsylvania State University
B.A., Biology, LaSalle University

Experience/

Technical Specialty: Twenty years. Environmental fate, chemical risk assessment evaluations.

BURRUS M. CARNAHAN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: NONPROLIFERATION CONSEQUENCES

Education: LL.M., International Law, University of Michigan
J.D., Northwestern University
B.A., Political Science, Drake University

Experience/

Technical Specialty: Nineteen years. Nuclear nonproliferation agreement negotiation and policies.

SYDEL CAVANAUGH, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: APPLICABLE REGULATIONS

Education: B.A., Interdisciplinary Studies – Personnel/Sociology, University of Maryland
Experience/
Technical Specialty: Eleven years. Public participation, technical writing, and communications.

HARRY CHERNOFF, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: COSTS AND SOCIOECONOMICS

Education: M.B.A., Marymount University
B.A., Economics, College of William & Mary
Experience/
Technical Specialty: Eighteen years. Energy economics, policy and regulatory analysis, socioeconomics, financial and economic analysis.

ALVA L. COLLINS, JR., SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: DESCRIPTION OF ALTERNATIVES AND PROCESSING TECHNOLOGIES, SAIC DEPUTY PROJECT MANAGER

Education: Ph.D., Inorganic Chemistry, Duke University
M.B.A., Public Sector Management, Wharton Graduate School, University of Pennsylvania
M.A., Inorganic Chemistry, Duke University
A.B., Chemistry, Oberlin College
Experience/
Technical Specialty: Twenty years. Strategic and program planning, methodology development, plutonium costing methodologies.

GARY M. DEMOSS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: TRANSPORTATION CONSEQUENCES

Education: M.S., Engineering Administration, Virginia Polytechnic Institute
B.S., Mechanical Engineering, University of Virginia
Experience/
Technical Specialty: Sixteen years. Transportation risk analysis and reliability and safety engineering.

MEL FEATHER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RESIDUES CHARACTERISTICS AND ALTERNATIVES

Education: M.S., Engineering Physics, University of Virginia
B.S., Nuclear Engineering, University of Virginia
Experience/
Technical Specialty: Fourteen years. Nuclear material production, waste isolation safety, plutonium disposition.

CONSTANCE M. HAGA, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: AIR QUALITY IMPACTS AND ASSESSMENTS

Education: B.S., Meteorology from the Pennsylvania State University
Experience/
Technical Specialty: Twelve years. Air quality impacts and assessments.

FREDERICK R. HEARTY, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RESPONSE TO PUBLIC INQUIRIES, RADIOLOGICAL ANALYSIS

Education: M.S., Technology Management, State University of New York at Stony Brook
B.A., Mathematics, University of Colorado

Experience/

Technical Specialty: Twenty-five years. Nuclear facility operations, testing, startup, and maintenance planning.

STEVE HOWARD, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROCESSING TECHNOLOGIES AND ALTERNATIVES

Education: B.S., Civil Engineering, Virginia Polytechnic Institute

Experience/

Technical Specialty: Twenty years. Waste disposal facility project management.

CLARK B. HYDER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: TRANSPORTATION AND EMERGENCY PLANNING

Education: B.S., Emergency Management, North Texas State University

B.A., Economics, North Texas State University

Experience/

Technical Specialty: Eleven years. Emergency management, transportation management, transportation emergency preparedness planning.

RAVI KANDA, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: CHEMICAL CONSEQUENCES

Education: M.S., Environmental Engineering, University of Cincinnati
Bachelor of Technology, Mechanical Engineering, Indian Institute of Technology,
Bombay, India

Experience/

Technical Specialty: Two years. Air quality modeling.

ROY KARIMI, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RADIOLOGICAL IMPACT ASSESSMENTS AND ACCIDENTS

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: Twenty-one years. Nuclear powerplant safety, risk and reliability analysis, design analysis, criticality analysis, probabilistic risk assessment.

TODD MILLER, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: IMPACT AND ACCIDENT ASSESSMENTS

Education: M.C.E., Structural Engineering, The Catholic University of America
B.S., Civil Engineering, Worcester Polytechnic Institute

Experience/

Technical Specialty: Six years. Structural analysis, accident analysis, hazardous waste management and assessment, radiological assessments.

JOFU MISHIMA, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RADIOLOGICAL AND ACCIDENT IMPACTS

Education: B.S., Chemistry, Wayne University
Experience/
Technical Specialty: Forty-two years. Fractional airborne release of radionuclides, plutonium material behavior, plutonium storage safety issues, alternative plutonium shipping forms.

JOHN NUCKLES, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: CHEMICAL CONSEQUENCES

Education: M.S., Environmental Planning, University of Virginia
B.S., Mechanical Engineering, University of Virginia
Experience/
Technical Specialty: Nine years. Air quality modeling and GIS applications.

WILLIAM B. SAMUELS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: ENVIRONMENTAL JUSTICE AND GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Education: Ph.D., Biology, Fordham University
M.S., Marine Science, Long Island University
B.S., Biology & Geology, University of Rochester
Experience/
Technical Specialty: Eighteen years. GIS applications and computer simulation and mathematical modeling.

PETE SANFORD, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROCESSING TECHNOLOGIES AND ALTERNATIVES

Education: M.S., Engineering/Metallurgical Engineering/Extractive Metallurgy, Colorado School of Mines
Experience/
Technical Specialty: Twenty-one years. Hydrometallurgical extraction and purification operations, design and simulation of electrochemical synthesis, facility deactivation and decontamination.

ELIZABETH C. SARIS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: DESCRIPTION OF ALTERNATIVES, PUBLIC HEARINGS, AND SUMMARY

Education: B.A., Political Science, George Washington University
Experience/
Technical Specialty: Seventeen years. Energy and environmental policy analysis, technical writing, and communications.

ROBERT SCHLEGEL, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROJECT ENGINEER, RADIOLOGICAL IMPACT ASSESSMENTS AND ACCIDENTS

Education: Degree of Nuclear Engineer, Columbia University
M.S., Nuclear Engineering, Columbia University
B.S., Chemical Engineering, Massachusetts Institute of Technology
Experience/
Technical Specialty: Thirty-five years. Radiological impact assessments, radiological dose/health effects calculations, safety analysis.

PAT SCHWAB, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: IMPACT ASSESSMENTS AND ALTERNATIVES

Education: Ph.D., Nuclear Engineering, University of Wisconsin
M.S., Nuclear Engineering, University of Wisconsin
B.S., Nuclear Engineering, Kansas State University

Experience/

Technical Specialty: Seventeen years. Nuclear engineering, nuclear weapon design, nuclear materials production, nuclear weapon proliferation.

JUDITH A. STEWART, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROCESSING TECHNOLOGIES AND ALTERNATIVES

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

Experience/

Technical Specialty: Eighteen years. Environmental safety and health compliance, regulatory compliance, chemical engineering.

BARRY D. SULLIVAN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RADIOLOGICAL IMPACT AND ACCIDENT ASSESSMENTS

Education: M.B.A., Hofstra University
B.S., Electrical Engineering, Rutgers University

Experience/

Technical Specialty: Thirty-six years. Radiological impact assessment, safety analysis, facility accident analysis, risk-consequence analysis, design review.

JACK TEMPLETON, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: PROCESSING TECHNOLOGIES AND ALTERNATIVES

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

Experience/

Technical Specialty: Thirteen years. Design and assessment of processing systems and equipment, system integration and analysis, technology selection and application.

GILBERT H. WALDMAN, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RADIOLOGICAL IMPACT AND ACCIDENT ASSESSMENTS

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

Experience/

Technical Specialty: Seven years. Radiological impacts analysis, radiological dose modeling, radiological risk assessment.

ALAN K. WILLIAMS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: RESIDUES CHARACTERISTICS AND PROCESSING TECHNOLOGIES

Education: B.A., Physical Science, University of Northern Colorado

Experience/

Technical Specialty: Forty-four years. Chemical processing of plutonium, research and development for processing plutonium, plutonium stabilization.

JOHN W. WILLIAMS, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

EIS RESPONSIBILITIES: AFFECTED ENVIRONMENT, ENVIRONMENTAL JUSTICE, AND APPLICABLE REGULATIONS

Education: Ph.D., Physics, New Mexico State University
M.S., Physics, New Mexico State University
B.S., Mathematics, North Texas State University

*Experience/
Technical Specialty:* Twenty-four years. NEPA compliance, electromagnetic models, air quality modeling, ionizing radiation impacts and safety.