

CHAPTER 5

LIST OF PREPARERS AND CONTRIBUTORS

This list identifies individuals who were principal preparers and contributors to this EA. Harold Johnson of the DOE CBFO directed the preparation of the EA. Lucinda Low Swartz managed the project and provided technical support. Frank Douglas served as the facilitator for the scoping effort and provided document preparation support. Donald George served as deputy project manager and provided project management support in Carlsbad, New Mexico.

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	<i>Education:</i>	M.S., Geology, Eastern Washington University
	<i>Technical Experience:</i>	Experience in managing groundwater monitoring and compliance projects for liquid waste disposal, and performing research and evaluation for groundwater hydrological/geochemical monitoring results.
	<i>EA Responsibility:</i>	Provided support in the area of geophysics.
<i>Marcel Bergeron</i>	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	M.A., Geology, University of Indiana
	<i>Technical Experience:</i>	Twenty years of experience in a wide variety of groundwater investigations and studies at hazardous waste and contaminated ground water sites.
	<i>EA Responsibility:</i>	Provided support in the areas of earth resources and water resources.
<i>Ronald Brodzinski</i>	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	Ph.D., Nuclear Chemistry, Purdue University
	<i>Technical Experience:</i>	More than 31 years of experience conducting, directing, and managing scientific investigations in nuclear chemistry and physics, nuclear detector development, and application of these techniques to the areas of environmental research, lunar and space sciences, cosmic radiation and cosmic-ray produced radionuclides, controlled thermonuclear reactor materials research, nuclear waste management, decontamination and decommissioning activities, environmental restoration and management, measurement and accountability of special nuclear materials, high energy spallation and fission studies, experimental fundamental particle physics, nuclear properties, cosmology, and astrophysics.

	<i>EA Responsibility:</i>	Provided support for particle astrophysics, non-proliferation, remote sensing and monitoring, and remote data collection.
<i>Kenneth Brown</i>	<i>Affiliation:</i>	Ecosystem Management
	<i>Education:</i>	Ph.D., Anthropology, University of Kansas
	<i>Technical Experience:</i>	Twenty-six years of experience in all phases of cultural resource management, including major National Historic Preservation Act projects, with work conducted throughout the Southwest and Great Plains.
	<i>EA Responsibility:</i>	Provided support in the area of cultural resources.
<i>Philip M. Daling</i>	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	B.S., Physical Metallurgy, Washington State University
	<i>Technical Experience:</i>	Twenty years of experience in performing risk and safety analyses of radioactive and hazardous material facilities and transportation systems. He has participated in several major EISs, including the Hanford Defense Waste EIS, SEIS-II, the EIS for management of DOE spent nuclear fuel at the Hanford Site, as well as numerous smaller EISs and EAs.
	<i>EA Responsibility:</i>	Provided support in the areas of health and safety impacts and accident impacts.
<i>Francis C. Douglas</i>	<i>Affiliation:</i>	Battelle
	<i>Education:</i>	M.A., English, Kansas State University
	<i>Technical Experience:</i>	More than 8 years of experience in the environmental industry, including assistant project manager of the WIPP SEIS-II and project manager of four other DOE NEPA projects. Also, 6 years of experience in public relations.
	<i>EA Responsibility:</i>	Served as facilitator for the experiment scoping effort. Lead preparer for Chapters 1, 2, and 3.
<i>Clifford S. Glantz</i>	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	M.S., Atmospheric Sciences, University of Washington
	<i>Technical Experience:</i>	Eighteen years of experience in environmental and programmatic risk assessment, risk management, environmental impact analysis, pollutant transport and diffusion modeling, emergency response systems, and other aspects of environmental risk assessment.
	<i>EA Responsibility:</i>	Provided support in the area of meteorology.

Donald George

Affiliation: S.M. Stoller

Education: B.S., Civil Engineering Technology, New Mexico State University

Technical Experience: Fourteen years of experience in project management and technical support for environmental program, including experience in NEPA, Clean Water Act compliance, waste acceptance and certification, long-term waste disposal, national TRU waste management, and operational readiness reviews.

EA Responsibility: Deputy Project Manager. Assisted in scoping efforts and communication with the WIPP contractor as well as assisted in public interactions in Carlsbad.

Steve Goheen

Affiliation: Battelle Pacific Northwest Division

Education: Ph.D., Materials Science and Engineering, Northwestern University

Technical Experience: Experience in hazardous chemistry, including developing standard protocols for the analysis of organic compounds in nuclear wastes.

EA Responsibility: Provided support in the area of chemistry.

Jim Griggs

Affiliation: Battelle Pacific Northwest Division

Education: M.S., Industrial and Systems Engineering, Ohio University

Technical Experience: Twenty-five years of experience in domestic and international nuclear safeguards, including work as a plant safeguards specialist at a uranium enrichment plant, performing regulatory analysis for the Nuclear Regulatory Commission, and designing a computerized information system for a commercial nuclear power plant.

EA Responsibility: Provided support in the areas of nuclear accountability and non-proliferation.

Tracy A. Ikenberry

Affiliation: Dade Moeller and Associates

Education: M.S., Radiology & Radiation Biology, Colorado State University

Technical Experience: More than 15 years of experience in a wide range of environmental and occupational health physics activities, including radiological assessment, environmental monitoring, regulatory analysis and implementation, and accident/safety analysis. Certified Health Physicist, Diplomate, American Board of Health Physics, 1988.

EA Responsibility: Provided support for occupational and public health safety, risk analysis, and accident analysis.

Tim Jarvis

Affiliation: Battelle Pacific Northwest Division

Education: Ph.D., Environmental Toxicology, Colorado State University

Technical Experience: Twenty-five years of experience in waste management; regulatory issues; and environment, safety, and health. He also has 15 years of experience in the mining industry, including soft and hard rock mining, as well as underground and surface mining for coal, gold, bentonite, uranium, salt, and trona.

EA Responsibility: Provided mining engineering support.

Russell Jones

Affiliation: Battelle Pacific Northwest Division

Education: Ph.D., Metallurgy, University of California at Berkeley

Technical Experience: Experience in the area of environmental effects on crack growth of materials. He has made significant contributions to understanding the relationships between grain boundary chemistry and environmental interactions and to understanding environmental effects of the crack growth behavior of fusion reactor materials.

EA Responsibility: Provided materials engineering support.

Harold Johnson

Affiliation: U.S. Department of Energy

Education: J.D., Law, Mercer University

Technical Experience: Thirteen years of experience in writing, reviewing, and approving NEPA documents.

EA Responsibility: DOE Document Manager.

Richard Kouzes

Affiliation: Battelle Pacific Northwest Division

Education: Ph.D., Physics, Princeton University

Technical Experience: Twenty-five years of experience in technology leadership and management; research development and administration; electronically facilitated scientific and engineering collaboration; radiation detection, nuclear spectroscopy, and precision mass measurements; and experimental research in solar neutrino physics.

EA Responsibility: Provided support in the area of nuclear and particle astrophysics.

David Lechel	<i>Affiliation:</i>	Lechel, Inc.
	<i>Education:</i>	M.S., Fisheries Biology, Michigan State University
	<i>Technical Experience:</i>	Twenty-four years of experience in project management and preparation of multidisciplinary environmental studies, regulatory analysis, and monitoring in support of remedial actions and construction activities.
	<i>EA Responsibility:</i>	Quality assurance reviewer.
Harry Miley	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	Ph.D., Physics, University of South Carolina
	<i>Technical Experience:</i>	Seventeen years of experience in particle astrophysics, including team leader for the Radionuclide Aerosol Sampler/Analyzer project and the High-Sensitivity, Low-Profile Neutron Detector project, a system for detection of plutonium diversion at traffic choke points. Also worked on the design and construction of the Double-Beta Decay project.
	<i>EA Responsibility:</i>	Provided technical support in the area of particle astrophysics.
Elizabeth A. Nañez	<i>Affiliation:</i>	Battelle
	<i>Education:</i>	B.S., Industrial Engineering, Texas Tech University
	<i>Technical Experience:</i>	More than 5 years of experience in environmental engineering and NEPA technical support, including public involvement support and comment response document management.
	<i>EA Responsibility:</i>	Provided public involvement support.
Ted M. Poston	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	M.S., Fisheries, University of Washington
	<i>Technical Experience:</i>	Twenty-five years experience in environmental assessment and research with an emphasis in community noise analysis/assessment, aquatic ecology, risk assessment (NEPA), environmental surveillance, ecotoxicity, radioecology, and fisheries.
	<i>EA Responsibility:</i>	Provided support in the area of noise.
Christine Ross	<i>Affiliation:</i>	Battelle
	<i>Education:</i>	A.A., Microcomputer Management, Specializing in Multimedia, Albuquerque Technical Vocational Institute
	<i>Technical Experience</i>	More than 5 years of experience in graphic and desktop publishing work.

	<i>EA Responsibility:</i>	Provided graphics throughout the document.
Wayne Ross	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	M.S., Mechanical Engineering, Stanford University
	<i>Technical Experience:</i>	More than 30 years of experience in nuclear waste treatment, characterization, disposal, and systems integration.
	<i>EA Responsibility:</i>	Provided support in the area of waste repository science.
John Smoot	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	Ph.D., Hydrogeology, University of Idaho
	<i>Technical Experience:</i>	More than 10 years of experience in research and program management across the spectrum of the nuclear fuel cycle, including uranium mining, nuclear material safeguards, warhead dismantlement transparency, and the disposal of high- and low-level radioactive waste.
	<i>EA Responsibility:</i>	Provided support in the areas of non-proliferation and geophysics.
Karen Steinmaus	<i>Affiliation:</i>	Battelle Pacific Northwest Division
	<i>Education:</i>	M.S., Computer Science, University of Washington M.S., Geology, University of Minnesota
	<i>Technical Experience:</i>	Twenty years of experience in the fields of remote sensing, geographic information systems technology, multisensor data fusion, and information management.
	<i>EA Responsibility:</i>	Provided support for remote sensing and monitoring as well as for remote data collection and transmission.
Lucinda Low Swartz	<i>Affiliation:</i>	Battelle
	<i>Education:</i>	J.D. (Law), Washington College of Law, The American University
	<i>Technical Experience:</i>	Twenty years of experience in environmental law and regulation, most recently specializing in NEPA compliance strategies for particular proposed actions.
	<i>EA Responsibility:</i>	Project Manager. Technical reviewer of document for conformity to NEPA, CEQ, and DOE regulations and guidance.
Amy S. Tate	<i>Affiliation:</i>	Battelle
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Desiree Thalley

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EA Responsibility: Lead technical editor.

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Affiliation: Ecosystems Management

Education: M.S., Biology, University of London

Technical Experience: Fifteen years of experience in biological surveys, assessments, planning, and environmental documentation.

EA Responsibility: Provided support in the areas of biological resources, land use, and environmental justice.

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