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Preparers, Contributors, and
Reviewers

13. PREPARERS, CONTRIBUTORS, AND REVIEWERS

13.1 Preparers and Contributors

This chapter lists the individuals who filled primary roles in the preparation of this final environmental impact statement (EIS). Jane R. Summerson of the U.S. Department of Energy (DOE) Yucca Mountain Project Office directed the preparation of the EIS. Primary support and assistance to DOE was provided by the EIS Preparation Team, led by Joseph W. Rivers, Jr., of Jason Technologies Corporation; other members of the team included Tetra Tech NUS Inc., Battelle, and Dade Moeller & Associates. Judith A. Shipman coordinated the work of the Jason Technologies Corporation production team (Elisa Aguilar, Dalene Glanz, Laura Hall, Virginia Hutchins, Robin Klein, Evelyn Mayfield, Aaron McKinnon, and Janet McCreary). Dawn Siekerman supervised the EIS recordkeeping and reference support team (Marcia Gershin, Angelica Marquez, and Jessi Pagel). Glenn Caprio, assisted by Barbara Rhoads, provided scheduling support. Cynthia Langdale and Kathy Grebstad, under the supervision of Diane Morton, ensured EIS revision control accuracy.

DOE provided direction to the EIS Preparation Team, which was responsible for developing the analytical methodology and alternatives, coordinating the work tasks, performing the impact analyses, and producing the document. DOE was responsible for data quality, the scope and content of the EIS, and issue resolution and direction.

In addition, the Management and Operating Contractor to the DOE Yucca Mountain Site Characterization Office (Bechtel SAIC Corporation and its subcontractors) assisted in the preparation of supporting documentation and information for the EIS, as did Sandia, Argonne, and Oak Ridge National Laboratories. These organizations worked closely with the EIS Preparation Team under DOE direction.

DOE independently evaluated all supporting information and documentation prepared by these organizations. Further, DOE retained the responsibility for determining the appropriateness and adequacy of incorporating any data, analyses, and results of other work performed by these organizations in the EIS. The EIS Preparation Team was responsible for integrating such work into the EIS.

As required by Federal regulations (40 CFR 1506.5c), Jason Technologies Corporation and its subcontractors have signed NEPA Disclosure Statements in relation to the work they performed on this EIS. These statements appear at the end of this chapter.

Name	Education	Experience	Responsibility
U.S. Department of Energy			
Jane R. Summerson	Ph.D., Geology, 1991 M.S., Geobiology, 1985 M.A., Anthropology, 1978 B.A., Anthropology, 1977	11 years – waste management projects with the DOE Office of Civilian Radioactive Waste Management	Document Manager
Robin L. Sweeney	Ph.D. student, Environmental Science and Public Policy M.S., Geosciences, 1987 B.S., Biological Sciences, 1980	22 years – hazardous and nuclear waste field; waste management, RCRA/CERCLA facility assessments, sampling and monitoring, project/program management, laboratory research	Senior Technical Specialist; NEPA Compliance Officer

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Name	Education	Experience	Responsibility
Joseph D. Ziegler	B.S., Engineering (Nuclear), 1975	26 years – nuclear engineering, nuclear safety, environmental assessment, and project management; Federal and commercial nuclear projects	Senior Technical Advisor
M. Jozette Booth	B.S., Business Administration	18 years – transportation and policy analysis, communications and public participation, intergovernmental and Native American consultations	Technical lead for transportation and American Indian Programs
Wendy R. Dixon	Postgraduate studies, Geology and Environmental Science M.B.A., Business B.A., Sociology	21 years – management of nuclear-related projects; 14 years – regulatory compliance and field management; 6 years – safety and health	Senior Advisor for Environmental Policy
Kenneth J. Skipper	B.S., Geology, 1984	19 years – geotechnical/ environmental project management; Federal civil works projects; planning, construction, operations, and performance monitoring	Document Manager until March 2001

Final EIS Preparation Team

Joseph W. Rivers, Jr. Jason Technologies Corporation	B.S., Mechanical Engineering, 1982	19 years – commercial and DOE nuclear projects; design, systems engineering, safety analysis, and regulatory compliance	Project Manager
David R. Wayman Jason Technologies Corporation	M.B.A., Business Administration, 1988 B.S., Construction Technology, 1980	20 years – commercial and DOE projects; construction engineering, nuclear safety analysis, environment compliance and permitting	Deputy Project Manager; Lead, Comment-Response Document
Diane E. Morton Jason Technologies Corporation	B.S., Chemical Engineering, 1979	21 years – DOE nuclear and environmental projects; project/program management, assessments, planning	Document Manager
John O. Shipman Jason Technologies Corporation	B.A., English Literature, 1966	35 years – NEPA documentation, technical writing and editing, publications management; 10 years – public participation	Document Production Manager, Editor; Comment-Response Document

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Name	Education	Experience	Responsibility
Dawn Siekerman Jason Technologies Corporation	B.S., Biology, 1985	16 years – 3 years NEPA document preparation, 6 years environmental compliance/mixed waste project coordination/ quality assurance, 7 years inorganic chemistry	Records/Data Manager
Roseanne Aaberg Battelle – Pacific Northwest National Laboratories	B.S., Chemical Engineering, 1976	24 years – geological analysis; 11 years – environmental health physics	Air quality
Thomas Anderson Battelle Memorial Institute	B.S., Botany, 1973	28 years – preparation of DOE NEPA documents	Transportation
Pixie Baxter Tetra Tech NUS Inc.	M.B.A., Economics, 1981 B.A., Art History	20 years – multidisciplinary economic and business experience including 15 years as Economics College faculty member	Lead analyst, socioeconomics
William J. Berry Jason Technologies Corporation	Ph.D., Entomology, 1988 M.S., Biology, 1983 B.S., Biology, 1981	12 years – NEPA documents, ecological risk assessments, and habitat management plans	Lead analyst, biological resources
Ralph E. Best Jason Technologies Corporation	M.B.A., 1981 M.S., Electrical Engineering, 1970 B.S., Engineering Physics, 1964	36 years – energy, transportation, and environmental technology	Lead analyst, transportation
Carol Cole Jason Technologies Corporation	B.S., Experimental Psychology, 1967	20 years – NEPA documents, communications, public participation, media planning	Comment-Response Document
William J. Craig Dade Moeller & Associates	M.S., Planning, 1977 B.S., Forestry, 1972	22 years – environmental project management, nuclear fuel planning and analyses, natural resource management, and nuclear powerplant siting and relicensing	Comment-Response Document
David Crowl Jason Technologies Corporation	B.A., Computer Science, 1985	16 years – editing and document production	Editor

Name	Education	Experience	Responsibility
Keith D. Davis, PE Jason Technologies Corporation	M.S., Civil and Environmental Engineering, 1976 B.S., Civil Engineering, 1973	25 years – civil and environmental engineering; waste management; facility permitting and closure; site investigations, feasibility studies, and remedial action planning; 8 years – NEPA documentation	Hydrology; soils
Peter R. Davis Jason Technologies Corporation	Oak Ridge School of Reactor Technology, 1962 B.S. Physics, 1961	38 years – nuclear reactor and nuclear facility safety analysis and risk assessment	Lead analyst, accidents, inventory
Ted B. Doerr Jason Technologies Corporation	Ph.D., Wildlife and Fisheries Sciences, 1988 M.S., Range Science, 1980 B.S., Wildlife and Fisheries Sciences, 1977	19 years – NEPA implementation, ecology, environmental and ecological risk assessments, mitigation development, and regulatory compliance	Project Manager, Draft EIS
Sara A. Doersam Jason Technologies Corporation	B.A., Psychology, 1982	9 years – editing and publishing; 14 years – health administration	Editor
Paul W. Eslinger Battelle – Pacific Northwest National Laboratories	Ph.D., Statistics, 1983 M.A., Mathematics, 1978 B.S., Mathematics, 1976	18 years – environmental risk and human and ecological risk analysis	Long-term performance analysis
Suzanne Fiscus Jason Technologies Corporation	B.S., Mechanical Engineering, 1987	12 years - DOE nuclear projects; safety analysis, design and testing, waste characterization	Offsite manufacturing of disposal containers, shipping casks, drip shields, emplacement pallets, and related components
Philip C. Fulmer Dade Moeller & Associates	Ph.D., Nuclear Engineering, 1993 M.S., Health Physics, 1990 B.S., Health Physics, 1989	7 years – preparation of NEPA documents; 12 years – radiation protection, internal radiation dosimetry, external radiation dosimetry	Lead analyst, cumulative impacts
Gary Gunter Tetra Tech NUS Inc	B.S., Geology, 1984	5 years – preparation of NEPA documents; 13 years – assessments, remedial action	Lead analyst, land use; aesthetics

Name	Education	Experience	Responsibility
Ernest C. Harr, Jr. Jason Technologies Corporation	B.S., Zoology/Chemistry, 1977	12 years – preparation of NEPA documents; acted as DOE EM Headquarters NEPA Compliance Officer; reviewed many DOE waste management NEPA documents.	Deputy Project Manager, Draft EIS; Project Manager, 1999-2000
Mary N. Hoganson Tetra Tech NUS Inc.	M.S., Biology, 1989 B.S., Biology, 1984	14 years – waste management and waste minimization; 6 years – NEPA document preparation	Lead analyst, waste management and hazardous materials
Richard H. Holder Jason Technologies Corporation	M.B.A., Business Administration, 1986 M.S., Electrical Engineering, 1970 B.S., Electrical Engineering, 1966	33 years – team and line management for nuclear utility, industrial, and overseas projects	Proposed Action, alternatives, summary of findings and comparison
R. Kingsley House, PE Jason Technologies Corporation	M.S., Engineering Science/Nuclear Option, 1963 B.S., Mechanical Engineering, 1960 Nevada Registration No. 13062, 1997	40 years – nuclear and non-nuclear facility design, construction, testing, and operation; hazards analysis, safety analysis, and environmental impact analysis	Lead analyst, utilities, energy, materials, and site services; offsite manufacturing of disposal containers, shipping casks, drip shields, waste package supports, and related components
Tracy A. Ikenberry, CHP Dade Moeller & Associates	M.S., Radiology & Radiation Biology, 1982 B.A., Biology, 1979	19 years - environmental and occupational radiation protection; 7 years - NEPA document management and technical analysis	Lead analyst, short-term repository impacts, air quality; human health and safety
David H. Lester Jason Technologies Corporation	Ph.D., Chemical Engineering, 1969 M.S., Chemical Engineering, 1966 B.Che., Chemical Engineering, 1964	28 years – hazardous and nuclear waste management; nuclear Safety Analysis Reports, hazards analysis of waste storage operations, risk assessment of low-level nuclear waste burial operations, groundwater contamination transport modeling, performance assessment of high-level nuclear waste systems, design of treatment systems, design and analysis of high-level waste packages, and soil remediation studies	Lead Analyst, long-term performance

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Name	Education	Experience	Responsibility
Steven Maheras Battelle Memorial Institute	Ph.D., Health Physics, 1988 M.S., Health Physics, 1985 B.S., Zoology, 1982 Certified Health Physicist, 1992	13 years – transportation risk assessment and radiological assessment; environmental and occupational radiation protection	Transportation
Thomas McSweeney Battelle Memorial Institute	Ph.D., Chemical Engineering, 1967 M.A., Mathematics, 1964 M.S., Chemical Engineering, 1961 B.S., Chemical Engineering, 1960	34 years – risk and safety analysis; 14 years – transportation risk analysis	Transportation
William E. Nichols Battelle – Pacific Northwest National Laboratories	M.S., Civil Engineering, 1990 B.S., Agricultural Engineering, 1987	12 years – subsurface flow and transport modeling and model development, environmental dispersion modeling and model development, probabilistic risk assessment, total systems modeling for geologic radioactive waste disposal evaluation, and NEPA documents	Long-term performance analysis
Paul R. Nickens Battelle – Pacific Northwest National Laboratories	Ph.D., Anthropology, 1977 M.A., Anthropology, 1974 B.A., Anthropology, 1969	25 years – cultural resource management and Native American consultation	Cultural resources
Donna L. Osborne Jason Technologies Corporation	20 years experience	20 years – technical editing, document production and coordination; 2 years – NEPA documentation	Editor
W. Kent Ostler Jason Technologies Corporation	Ph.D., Plant Ecology, 1979 M.S., Botany, 1976 B.S., Botany, 1974	22 years – plant ecology and arid land reclamation; identification of techniques to mitigate human impacts on biotic communities; surveys and research on endangered and threatened species; mitigation strategies for recovery of species	Biological resources

Name	Education	Experience	Responsibility
Ted M. Poston Battelle – Pacific Northwest National Laboratories	M.S., Fisheries, 1978 B.A., Biology, 1973	19 years – noise analysis; 26 years – environmental research and toxicology; 24 years – NEPA experience	Lead analyst, noise and ground vibration
Eugene M. Rollins Dade Moeller & Associates	M.S.P.H., Health Physics, 1976 B.S., Nuclear Engineering, 1973	25 years – technical and management experience in health physics and risk assessments related to the nuclear fuel cycle	Lead analyst, No-Action Alternative
Steven B. Ross Battelle Memorial Institute	M.S., Nuclear Engineering, 1987 B.S., Nuclear Engineering, 1985	16 years – safety analysis, risk assessment, transportation, regulatory analysis, and fire risk assessment	Transportation
Dillard B. Shipler Battelle Memorial Institute	M.S., Major in Physics, 1967 B.S., Major in Science & Math, 1957 Certified Health Physicist, 1983	40 years – environment, safety, and health protection; occupational health and safety; radiation protection; high- level waste management; risk assessment; regulatory compliance; NEPA; systems engineering; and project/program management.	Transportation; Comment- Response Document
Judith A. Shipman Jason Technologies Corporation	A.A., General Studies, 1991	26 years – NEPA documentation, document production coordination, editing	Production Coordinator, Editor; Comment-Response Document
Sandra Snyder Battelle Memorial Institute	M.S.P.H., Radiological Hygiene, 1991 B.S., Environmental Resource Management, 1986	10 years – assessment of environmental and occupational exposure to radionuclides and chemicals	Air quality
Dennis Streng Battelle Memorial Institute	M.S., Chemical Engineering, 1968 B.S., Chemical Engineering	33 years – environment exposure analysis and dosimetry for accidental and chronic releases of radionuclides and chemicals	Accidents
Lucinda Low Swartz Battelle Memorial Institute	J.D., 1979 B.A., Political Science and Administrative Studies, 1976	21 years – environmental law and regulation, specializing in NEPA compliance	Summary

Name	Education	Experience	Responsibility
John E. von Reis Jason Technologies Corporation	J.D., 1969 B.A., English (Prelegal), 1966	28 years – energy, environmental, resource and regulatory issues	Lead analyst, purpose and need, regulatory requirements, mitigation, unavoidable adverse impacts, environmental justice
Dee H. Walker Jason Technologies Corporation	Ph.D., Chemical Engineering, 1963 M.S., Chemical Engineering, 1962 Oak Ridge School of Reactor Technology, 1954 B.S., Chemical Engineering, 1953	48 years – nuclear engineering; 11 years – effects of radiological releases on humans and the environment	Health and safety
Jeffrey L. Weiler Jason Technologies Corporation	M.S., Resource Economics/ Environmental Management, 1974 B.A., Political Science, 1970	28 years – management of large interdisciplinary project teams; interagency coordination; stakeholder involvement; NEPA compliance	Document Manager, Draft EIS; Comment-Response Document
Ruth Weiner Jason Technologies Corporation	Ph.D., Chemistry, 1962 M.S., Chemistry, 1959 M.S., Physics, 1957 B.S., Physics, 1956	14 years – risk assessment of airborne pollutants and transportation risks, decision analysis; 25 years – environmental impact assessment; 35 years – professor of chemistry and environmental studies; 15 years – radioactive waste disposal, radioactive waste policy and regulation	Transportation
Thomas J. Winnard Battelle Memorial Institute	B.S., Geology, 1984	12 years – information systems	Transportation

13.2 Reviewers

The DOE Yucca Mountain Project Office incorporated input into the preparation of this EIS from a number of other DOE offices that reviewed the document while it was under development. These included the Offices of Environmental Management, Naval Reactors, Nuclear Energy, Materials Disposition, the National Spent Fuel Program, and the National High-Level Waste Program. The DOE Yucca Mountain Site Characterization Office, Nevada Operations Office, Idaho National Engineering and Environmental Laboratory, Hanford Site, and Savannah River Site also participated in the reviews of this EIS. In addition, personnel on assignment to the Yucca Mountain Project Office from the U.S. Department of the Interior Bureau of Reclamation provided technical review and other support, as did personnel from the DOE Office of Civilian Radioactive Waste Management Technical Support Services Contractor (Booz-Allen & Hamilton and its subcontractors).

QUALIFICATION CRITERION NO. 1

NEPA DISCLOSURE STATEMENT FOR
PREPARATION OF THE
ENVIRONMENTAL IMPACT STATEMENT FOR A GEOLOGIC REPOSITORY FOR THE DISPOSAL OF
SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE AT YUCCA MOUNTAIN, NYE
COUNTY, NEVADA

CEQ Regulations at 40 CFR 1506.5(c), which have been adopted by the DOE (10 CFR 1021), require contractors who will prepare and EIS to execute a disclosure specifying that they have no financial or other interest in the outcome of the project. The term "financial interest or other interest in the outcome of the project" for purpose of this disclosure is defined in the March 23, 1981, guidance "Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations", 46 FR 18026-18038 at Question 17a and b.

"Financial or other interest in the outcome of the project" includes "any financial benefit such as a promise of future construction or design work in the project, as well as indirect benefits the contractor is aware of (e.g., if the project would aid proposals sponsored by the firm's other clients)". See 46 FR 18026-18031.

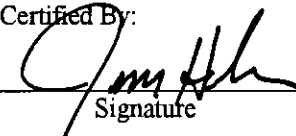
In accordance with these requirements, the offeror and the proposed subcontractors hereby certify as follows. (check either (a) or (b) and list financial or other interest if (b) is checked)

- (a) Contractor has no financial or other interest in the outcome of the project.
- (b) Offeror and any proposed subcontractor have the following financial or other interest in the outcome of the project and hereby agree to divest themselves of such interest prior to award of this contract.

Financial or Other Interest

- 1.
- 2.
- 3.

Certified By:


Signature

James S. Holm

Name (Printed)

Director of Contracts

Title

Jason Associates Corporation

Company

June 7, 1999

Date

QUALIFICATION CRITERION NO. 1

**NEPA DISCLOSURE STATEMENT FOR
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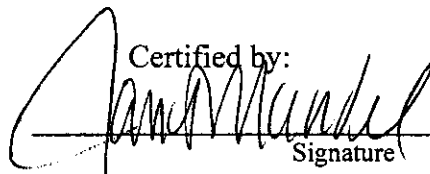
In accordance with these requirements, the offeror and the proposed subcontractors hereby certify as follows: (check either (a) or (b) and list financial or other interest if (b) is checked).

- (a) Contractor has no financial or other interest in the outcome of the project.

- (b) Offeror and any proposed subcontractor have the following financial or other interest in the outcome of the project and hereby agree to divest themselves of such interest prior to award of this contract.

Financial or Other Interest

- 1.
- 2.
- 3.

Certified by:

Signature

Janet M. Mandel
Name (Printed)

Manager, Contract Operations
Title

Tetra Tech NUS, Inc.
Company

June 4, 1999
Date

QUALIFICATION CRITERION NO. 1

NEPA DISCLOSURE STATEMENT FOR
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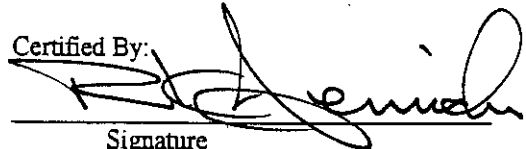
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Financial or Other Interest

- 1.
- 2.
- 3.

Certified By:


Signature

RALPH K. HENRICKS
Name (Printed)
CONTRACTING OFFICER

BATTELLE MEMORIAL INSTITUTE
COLUMBUS OPERATIONS

Company

June 7, 1999
Date

QUALIFICATION CRITERION NO. 1

NEPA DISCLOSURE STATEMENT FOR
PREPARATION OF THE
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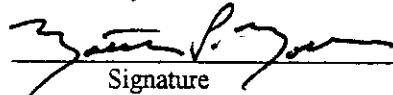
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Financial or Other Interest

- 1.
- 2.
- 3.

Certified By:


Signature

Matthew P. Moeller
Name (Printed)

Vice President
Title

Dade Moeller & Assoc.
Company

June 4, 1999
Date