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13

Preparers, Contributors, and
Reviewers

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13. PREPARERS, CONTRIBUTORS, AND REVIEWERS

13.1 Preparers and Contributors

This chapter lists the individuals who filled primary roles in the preparation of this environmental impact statement (EIS). Wendy R. Dixon 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 Ted B. Doerr of Jason Technologies Corporation; other members of the team included Tetra Tech NUS Inc., Battelle, Dade Moeller & Associates, and H&R Technical Associates, Inc. Judith A. Shipman coordinated the work of the Jason Technologies Corporation production team (Dalene Glanz, Laura Hall, Virginia Hutchins, and Robin Klein). Paulette Brown, Christina Caprio, Glenn Caprio, Angela Drum, Heidi Guyot, Cindy Langdale, Terresa Orme, and Dawn Siekerman provided administrative, scheduling, and recordkeeping support.

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 (TRW Environmental Safety Systems Inc. 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			
Wendy R. Dixon	Postgraduate studies, Geology and Environmental Science M.B.A., Business B.A., Sociology	20 years – management of nuclear-related projects; 13 years – regulatory compliance and field management; 5 years – safety and health	EIS Project Manager, NEPA Compliance Officer
Kenneth J. Skipper	B.S., Geology, 1984	18 years – geotechnical/ environmental project management; Federal civil works projects planning, construction, operations, and performance monitoring	Document Manager

List of Preparers, Contributors, and Reviewers

Name	Education	Experience	Responsibility
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
EIS Preparation Team			
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
Ernest C. Harr, Jr. Jason Technologies Corporation	B.S., Zoology/Chemistry, 1977	10 years – preparation of NEPA documents; acted as DOE EM Headquarters NEPA Compliance Officer; reviewed many DOE waste management NEPA documents.	Deputy Project Manager
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
John O. Shipman Tetra Tech NUS Inc.	B.A., English Literature, 1966	32 years – NEPA documentation, technical writing and editing, publications management; 10 years – public participation	Document Production Manager; technical editor of Draft EIS
Jeffrey P. McCann Jason Technologies Corporation	B.S., Geological Sciences, 1980	19 years – geological analyst; 5 years – preparation of NEPA documentation	Records/Data Manager
Rosanne L. Aaberg Battelle - Pacific Northwest National Laboratories	B.S., Chemical Engineering, 1976	20 years – nuclear-related projects; 9 years – environmental health physics	Air quality
William J. Berry Jason Technologies Corporation	Ph.D., Entomology, 1988 M.S., Biology, 1983 B. S., Biology, 1981	10 years – NEPA documents, ecological risk assessments, and habitat management plans	Biological resources
Ralph E. Best Jason Technologies Corporation	M.B.A., 1981 M.S., Electrical Engineering, 1970 B.S., Engineering Physics, 1964	34 years – energy, transportation, and environmental technology	Lead analyst, transportation

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Name	Education	Experience	Responsibility
William J. Craig Tetra Tech NUS Inc.	M.S., Planning, 1977 B. S., Forestry, 1972	20 years – environmental project management, nuclear fuel planning and analyses, natural resource management, and nuclear powerplant siting and relicensing	Land use; socioeconomics
David Crowl Jason Technologies Corporation	B.A., Computer Science, 1985	15 years – editing and publications production	Editor
Keith D. Davis, PE Jason Technologies Corporation	M.S., Civil and Environmental Engineering, 1976 B.S., Civil Engineering, 1973	21 years – civil and environmental engineering; waste management; facility permitting and closure; site investigations, feasibility studies, and remedial action planning; 5 years – NEPA documentation experience	Hydrology; soils
Peter R. Davis Jason Technologies Corporation	Oak Ridge School of Reactor Technology, 1962 B.S. Physics, 1961	36 years – nuclear reactor and nuclear facility safety analysis and risk assessment	Accidents
Amy S. Duda Battelle Memorial Institute	B.A., English, 1996	7 years – technical editing; 4 years – NEPA documentation	Editor
Paul W. Eslinger Battelle – Pacific Northwest National Laboratories	Ph.D., Statistics, 1983 M.A., Mathematics, 1978 B.S., Mathematics, 1976	16 years – environmental risk and human and ecological risk analysis	Long-term performance analysis
Daniel M. Evans Tetra Tech NUS Inc.	M.S., Planning, 1985 B.A., Political Science, 1976	17 years – socioeconomic impact analysis and NEPA document management	EIS strategic planning, socioeconomics
Christian J. Fosmire Battelle – Pacific Northwest National Laboratories	M.S., Meteorology, 1993 B.S., Meteorology, 1990	4 years – atmospheric diffusion modeling and risk assessment	Air quality
Mary N. Hoganson Tetra Tech NUS Inc.	M.S. Biology, 1989 B.S., Biology, 1984	13 years – waste management and waste minimization; 5 years – NEPA document preparation	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	32 years – team and line management for nuclear utility, industrial, and overseas projects	EIS strategic planning; Deputy Project Manager, October 1996 to May 1998

List of Preparers, Contributors, and Reviewers

Name	Education	Experience	Responsibility
R. Kingsley House, P.E. Jason Technologies Corporation	M.S., Engineering Science/Nuclear Option, 1963 B.S., Mechanical Engineering, 1960	38 years – nuclear and non-nuclear facility design, construction, testing, and operation; hazards analysis, safety analysis, and environmental impact analysis	Utilities, energy, materials, and site services; disposal container and shipping cask manufacturing.
Tracy A. Ikenberry, CHP Dade Moeller & Associates	M.S., Radiology & Radiation Biology, 1982 B.A., Biology, 1979	16 years – environmental and occupational radiation protection; 5 years – NEPA document management and technical analysis.	Air quality; health and safety
James P. Jessen Jason Technologies Corporation	Graduate Studies, Environmental Engineering, 1991-92 M.S., Nuclear Engineering and Health Physics, 1989 B.S., Chemical and Nuclear Engineering, 1988	11 years – environmental and nuclear safety studies of DOE and commercial nuclear facilities	Lead analyst – affected environment, short-term impacts
Douglas E. Kennemore, Jr. Tetra Tech NUS Inc.	M.S., Biology, 1995 B.S., Biology, 1991	7 years – biological consulting and impact assessment	Aesthetics
Lawrence J. Kripps H&R Technical Associates, Inc.	M.S., Nuclear Engineering, 1972 B.S., Nuclear Engineering, 1971	25 years – environmental evaluations, safety analyses, and risk assessments of nuclear and non-nuclear facilities and operations	Lead analyst – Proposed Action, cumulative impacts
Robert A. Lechel Battelle Memorial Institute	B.S., Environmental Studies and Planning: Hazardous Materials Management, 1995	3 years – transportation risk assessment and NEPA document production	Transportation
David H. Lester Jason Technologies Corporation	Ph.D., Chemical Engineering, 1969 M.S., Chemical Engineering, 1966 B.Che., Chemical Engineering, 1964	26 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
Robert D. Long Tetra Tech NUS Inc.	M.S., Demography, 1994 B.A., Sociology, 1993	5 years – economic analysis and research	Socioeconomics
Thomas McSweeney, Battelle Memorial Institute	Ph.D., Chemical Engineering, 1967 M.A., Mathematics, 1964 M.S., Chemical Engineering, 1961 B.S., Chemical Engineering, 1960	30 years – risk and safety analysis; 12 years – transportation risk analysis	Transportation
Aparajita S. Morrison Tetra Tech NUS Inc.	B.S. Health Physics, 1985	13 years – radiation protection, facility startup, instrumentation testing, development of radiological controls program, monitoring and assessments, and health and safety analysis	Cumulative impacts
Elizabeth A. Nañez Battelle Memorial Institute	B.S., Industrial Engineering, 1990	6 years – environmental engineering; 4 years – NEPA document preparation; 1 year – transportation risk assessment	Transportation
William E. Nichols Battelle – Pacific Northwest National Laboratories	M.S., Civil Engineering, 1990 B.S., Agricultural Engineering, 1987	9 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
Richard F. Orthen, CHMM, Tetra Tech NUS Inc.	B.S., Chemistry, 1979	20 years – occupational and environmental health physics; regulatory compliance; 9 years – radioactive/hazardous materials management; NEPA analysis	Health and safety, cumulative impacts; No-Action Alternative

List of Preparers, Contributors, and Reviewers

Name	Education	Experience	Responsibility
W. Kent Ostler Jason Technologies Corporation	Ph.D., Plant Ecology, 1979 M.S., Botany, 1976 B.S., Botany, 1974	20 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
Karen K. Patterson Tetra Tech NUS, Inc.	M.A., Biology, 1977 B.A., Biology, 1973	25 years – technology and environmental sciences; 10 years – technical editor; 5 years – preparing NEPA documents	Technical editor, No-Action Alternative
Peter J. Pelto, PE Battelle – Pacific Northwest National Laboratories	M.S., Chemical Engineering, 1980 B.S., Chemical Engineering, 1971	20 years – safety analysis, risk analysis, and systems analysis of nuclear powerplants, nuclear fuel cycle facilities, and radioactive waste management facilities	No-Action Alternative
W. Lee Poe Tetra Tech NUS Inc.	M.S., Chemical Engineering, 1951 B.S., Chemistry, 1949	48 years – working with nuclear materials at Savannah River Site	No-Action Alternative
Ted M. Poston Battelle – Pacific Northwest National Laboratories	M.S., Fisheries B.A., Biology	16 years – noise analysis; 22 years – environmental research and toxicology	Noise
Randy F. Reddick Battelle Memorial Institute	M.S., Environmental Health Engineering, 1983 B.S., Civil Engineering, 1982	14 years – NEPA compliance, document preparation, and safety studies	Affected environment
Joseph W. Rivers, Jr. Jason Technologies Corporation	B.S., Mechanical Engineering, 1982	16 years – commercial and DOE nuclear projects; design, systems engineering, safety analysis, and regulatory compliance	Lead analyst – inventory
Eugene M. Rollins Dade Moeller & Associates	M.S.P.H., Health Physics, 1976 B.S., Nuclear Engineering, 1973	22 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	10 years – safety analysis, risk assessment, transportation, regulatory analysis, and fire risk assessment	Transportation

Name	Education	Experience	Responsibility
Judith A. Shipman Jason Technologies Corporation	A.A., General Studies, 1991	21 years – document production; 14 years NEPA document production	Production Coordinator; editor
Diane S. Sinkowski Tetra Tech NUS Inc.	M.E., Environmental Engineering Sciences, 1994 B.S., Nuclear Engineering Sciences, 1990	4 years – calculating environmental impacts and health physics investigations and evaluations	No-Action Alternative
Dennis Strenge Battelle-Pacific Northwest National Laboratories	M.S. Chemical Engineering, 1968 B.S., Chemical Engineering+	31 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	19 years – environmental law and regulation, specializing in NEPA compliance	Summary
Desiree Thalley Battelle Memorial Institute	B.A., Journalism, 1983	14 years – technical editing; 8 years – NEPA documentation	Editor
Alan L. Toblin Tetra Tech NUS Inc.	M.S., Chemical Engineering, 1970 B.E., Chemical Engineering, 1968	27 years – analyzing radiological and chemical contaminant transport in water resources.	No-Action Alternative
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, 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	45 years – nuclear engineering; 10 years – effects of radiological releases on humans and the environment	Health and safety; Project Manager, October 1996 – May 1998
Paul F. Wise, CEA CHMM Tetra Tech NUS Inc.	M.S., Biology, 1984 B.S., Biology, 1982	3 years – preparing NEPA documents; 15 years – environmental and water quality, waste management, and environmental audits	Cumulative impacts

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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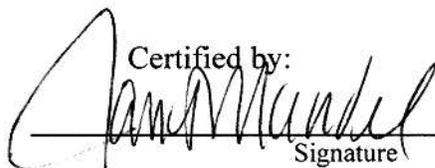
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Financial or Other Interest

- 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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Financial or Other Interest

- 1.
- 2.
- 3.

Certified By: 
Signature

RALPH K. HENRICKS
Name (Printed)
CONTRACTING OFFICER

BATTÉLLE MEMORIAL INSTITUTE
COLUMBUS OPERATIONS

Company

June 7, 1999
Date

QUALIFICATION CRITERION NO. 1

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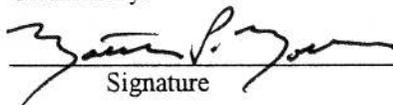
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Financial or Other Interest

- 1.
- 2.
- 3.

Certified By:


Signature

Matthew P. Moeller
Name (Printed)

Vice President
Title

Dade Moeller & Assoc.
Company

June 4, 1999
Date

QUALIFICATION CRITERION NO. 1

NEPA DISCLOSURE STATEMENT FOR
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Financial or Other Interest

- 1.
- 2.
- 3.

Certified By:



Signature

Laura A. Hofman
Name (Printed)

Vice President
Title

H&R Technical Associates, Inc.
Company

June 4, 1999
Date