

## **JAY E. RHODERICK**

### **DETAILED EXPERIENCE**

#### **Vice President – Longenecker and Associates**

2015-Present

Conducts management and technical assessments and reviews for contractors conducting Department of Energy work activities. Conducts Integrated Safety Management (ISM) assessments and project and project management reviews. Assists in the execution of the DOE Order 413 Project Management in the development of overall strategic planning as well as development of Critical Decision packages and supporting documents such as risk management plans. Serves as the Working Group Coordinator for EFCOG activities. Serves as managing Secretariat for the External Advisory Board for the Savannah River National Laboratory.

#### **Department of Energy Germantown, Maryland**

##### Associate Deputy Assistant Secretary for Tank Waste and Nuclear Material, SES

2012-2015

Responsible for the management and execution of the tank waste, nuclear materials and spent nuclear fuel programs with the Office of Environmental Management. Encompassed the storage, treatment and disposal of tank waste and the Hanford, Savannah River and Idaho sites as well as the management of the spent nuclear fuel and nuclear materials within EM. As part of this mission, it included the oversight of the construction and operation of storage and treatment facilities in order to process the tank waste and nuclear materials for final disposition. It also included necessary technology development in order to efficiently process and treat these materials. Examined alternative treatment and disposal methods for tank waste solids and sludge as well as other High Level Waste forms such as Sr/Cs capsules at Hanford. Supported the receipt and disposition of nuclear materials for the Global Threat Reduction Initiative.

##### Director, Office of Large Site Support, SES

2008-2012

Responsible for the technical and administrative support to the large EM sites (Savannah River, Oak Ridge, Idaho, Paducah, Portsmouth, Richland and Office of River Protection). Served as the advocate for site assistance from HQ offices. Supported actions necessary for the large sites to accomplish their missions. Lent technical support to sites as requested.

##### Director, Strategic Planning and Analysis, Environmental Management, SES

2008-2009

Technical responsibility for the lifecycle baseline planning for the Environmental Management (EM) program. This included a work scope of approximately \$271 to \$325 Billion over a 50-year period. Responsible for the EM portion of the Departmental Environmental Liability which is an audit of the nuclear cleanup liability the Federal government owns. Responsible for the Corporate Performance Metrics for EM and their incorporation into the overall DOE performance metrics. Developed a \$6 Billion project portfolio which became funded under the American Recovery and Reinvestment Act.

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Director, Office of Project Management, Environmental Management, SES

2002-2008

Technical responsibility for project management within EM. This included eight major construction projects and 86 cleanup projects. Directed the conduct of Independent Project Reviews (IPR), Quarterly Performance Reviews (QPR) and monthly performance assessments of all EM projects. Was the EM representative in the development of DOE Order 413,3A, Program and Project Management for the Acquisition of Capital Assets. Developed policies and procedures for EM project management including IPR review procedures, QPR templates for presentation of project information, risk management guides and procedures, and formal change control and Acquisition Executive approval procedures for Critical Decisions within projects. Recipient of a Primavera Award for the development of an integrated schedule baseline for the EM program.

Director, Richland Office, Environmental Management, SES

2000-2002

Responsible for operations and projects at the Richland, Washington Field Office. This included oversight of the programs being executed at the Richland site, development and defense of the annual budget, HQ representative with State of Washington regulators, and establishment of milestones and performance elements for executed work. Working jointly with the Richland Field Office Manager, developed and executed a new strategic approach to the closure of the Hanford reservation by prioritizing cleanup first along the river (River Corridor) as well as all facilities in the surrounding areas. This allowed the concentration of all remaining work within the Central Plateau of the site. Conducted alternatives analyses for disposition of materials from the Hanford site. This included examining TRU waste alternatives, alternative tank waste solidification and treatment methods, and alternatives to long term storage of the Sr/Cs capsules at Hanford.

Deputy Director, Strategic Planning and Analysis, Environmental Management

1996-2000

Technical responsibility for nationwide integration of hazardous and radioactive waste type programs including high level wastes, transuranic wastes, mixed wastes, low level wastes, and hazardous wastes. Responsible for nationwide configurations for the storage, treatment, and disposal of hazardous and radioactive waste disposal for the DOE complex. Responsible for the development of the requirements and procedures for the storage, treatment and disposal of wastes within the DOE complex including DOE Order 435.1. Responsible for providing technical assistance to the State compact system which provides disposal capacity for commercial low level wastes. Interactions in this position included members of Congress, Congressional staff, Governors and Governors staff, and state and federal regulatory officials. Chartered and co-chaired the Low-Level Waste Federal Review Group which reviews and approves all EM disposal performance assessments.

Special Assignment to the Deputy Assistant Secretary, Office of Waste Management, Environmental Management

1995-1996

Directed the Federal Facility Compliance Act (FFCA) Task Force for the development of site Treatment Plans for all of DOE mixed waste. Directed the waste management portion of the Baseline Environmental Management Report which defined the life-cycle costs of the DOE cleanup program of the nuclear weapons complex. This required significant coordination with all elements of the DOE

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complex. Also directed the Waste Management Programmatic Impact statement. Technical work included life-cycle cost studies, environmental impact analyses, worker risk studies, socio-economic studies, transportation impact studies and public risk analyses of different configurations for the storage, treatment and disposal of DOE radioactive and hazardous wastes.

Division Director, Office of Oak Ridge & Chicago, Environmental Management

1992-1995

Responsible for waste management operations at DOE facilities within the Oak Ridge and Chicago Field Offices. Included oversight of the work scope, development of the required budget, and establishment of milestones and performance elements for work at these sites.

Program Manager for the Test Phase of Waste Isolation Pilot Plant (WIPP), Environmental Management

1990-1992

Responsible for the conduct of tests required to demonstrate the safe operating conditions of the Waste Isolation Pilot Plant (WIPP), the nation's first geologic repository for transuranic nuclear wastes. Reviewed and approved test plans for the collection of field data at the WIPP site. Approved development of computer modeling of long term performance of the repository.

Program Manager for Environmental Compliance Office of Uranium Enrichment

1986-1990

Responsible for the environmental programs at the gaseous diffusion plants in Tennessee, Kentucky, and Ohio. This included the operational environmental compliance (air, water, etc.) as well as the cleanup programs from past contamination. Developed and implemented a groundwater monitoring program for onsite and offsite groundwater contamination plumes as well as the development of a remediation plan for the site.

Program Manager, Office of Civilian Radioactive Waste Management

1984-1986

Responsible for the review, analysis and evaluation of technical reports for the licensing of a high level nuclear waste. Conducted reviews of the site characterization plans for several sites to determine site suitability as a geologic repository.

**Geologist for the Division of Waste Management – Nuclear Regulatory Commission  
Silver Springs, Maryland**

1981-1984

Responsible for the development of requirements for the disposal of nuclear wastes. This included development of standards, regulatory criteria, technical position papers, and license review plans on the geotechnical aspects of nuclear waste repositories.

**Geologist for Waterways Experiment Station, 1350 – U.S. Army Corps of Engineers  
Vicksburg, Mississippi**

1978-1981

Conducted geologic and geotechnical investigations of rock formations and various construction materials for Corps of Engineers projects. Performed hydrogeologic studies of the Lower Mississippi Basin. Participated in the rehabilitation projects of Corps dams.

**EDUCATION**

**Massachusetts Institute of Technology, Sloan School of Management, Cambridge, MA**  
*2009*

**James Madison University, Harrisonburg, VA**  
*Bachelor's Degree, 1977*