

JEANETTE (JAN) B. BERRY
Oak Ridge National Laboratory
P.O. Box 2008
Oak Ridge, TN 37831-6070

berryjb@ornl.gov
Office: 865-241-1939
Fax: 865-574-9329

Summary of Qualifications

Over 19 years of experience in improving system performance by using new methods in team building, technology commercialization, and business practices to influencing positive corporate and societal changes.

Work History and Accomplishments

- 1997 to present** **Oak Ridge National Laboratory, Oak Ridge, Tennessee**
Engineering Science and Technology Division, Cooling, Heating and Power Group
- Establishing ORNL regional partnerships to link energy efficiency and air quality improvement.
 - Participating in a nine-state western initiative that identified energy efficiency measures and is analyzing their effect on preventing air pollution. Leading an ORNL technical review team.
 - Participating in a southeastern initiative that is analyzing the relationship between air pollution reduction scenarios and their effect on environmental, social and economic factors.
 - Managing installation of advanced combined heating, cooling and power technologies, including a 200-kW fuel cell and a triple-effect chiller.
 - Managed research project to improve mining by-product recovery and separate mercury from mining process residue, enhancing recovery of by-products such as copper, lead, and selenium.

Waste Management Operations Division
Manager, Waste Management Reengineering

- Improved teamwork between research divisions and waste management operations by establishing and co-chairing a forum for division directors and the Customer Advisory Panel, overseeing the Waste Certification Team, and improving daily interactions.
- Managed reengineering and implementation to streamline waste characterization, handling and certification.
- Line manager for the ORNL pollution prevention program.
- Research and service division teamwork resulted in \$75M in costs being cut by \$9.5M. Managed reengineering of solid waste handling to reduce generation by >50% and process waste treatment to justify closing a treatment facility. Exceeded DOE goals.

- 1996 to 1997** **Lockheed Martin Hanford Corporation, Hanford, Washington**
Manager, Privatization Interface, Tank Waste Disposal Program
- Managed interfaces by building teams between DOE, private contractors who planned to treat highly radioactive Hanford tank waste, and Site Tank Waste activities.
 - Managed development and completion of 19 control documents that include physical, regulatory and operational interfaces for retrieving waste, blending and delivering waste to treatment plant, managing immobilized waste products, and closing 177 million-gallon tanks.
 - Initiated integration of activities creating a technically defensible baseline including linkage of financial and technical management systems, management of risks, and development of program requirements for projects that implement the baseline.

- 1983 to 1996** **Oak Ridge National Laboratory, Oak Ridge, Tennessee**
Deputy Director, Center for Waste Management, Oak Ridge
- Formulated, managed and fostered implementation of a marketing strategy that commercialized mixed-waste treatment throughout the DOE complex by using national procurement which should result in \$63.9M cost savings.

- Formulated and managed program content and trained 60 DOE employees on privatization.
- Integrated Oak Ridge waste management technology needs with technology development initiatives to commercialize technology to meet these needs.

National Mixed Waste Integrated Program Coordinator

- Formulated and managed a national program that developed technology to commercialize management of mixed waste.
- Developed and planned commercially viable strategy, established goals, prepared budgets (increased from \$9M to \$20M), and implemented the program.
- Achieved key goal: develop and commercialize thermal treatment technologies capable of treating 80% of the mixed waste stored by the DOE complex.
- Built a technology development team by coordinating professional and support staff (74) throughout the DOE-complex.
- Managed technical, programmatic and peer reviews. Provided technical guidance ensuring that researchers maintained quality. Reported to DOE-HQ program managers for the Office of Technology Development and the Office of Waste Management.
- Founded a joint committee—the National Technical Workgroup—of Environmental Protection Agency, state regulators, and Department of Energy staff that resolved mixed waste incineration issues through consensus building and commercialization of technology.

Group Leader, Chemical Technology Division

- Secured a technology development program for Oak Ridge by successfully marketing ORNL technical expertise.
- Responsible for line management of professional staff, technicians and a \$4.4M budget.
- Managed and implemented remediation of 32,000 drums of mixed-waste sludge at the K-25 site using an aggressive schedule, cost, and technical alternatives to achieve RCRA regulatory compliance. Managed technology assessment and evaluation team awarding \$16M contract on schedule.
- Formulated and managed a technology development program to analyze feasibility of a \$350M line item project. Managed professional and support staff who constructed and operated a pilot plant that demonstrated technology applications for commercialization.

Task Manager, Water Pollution Control

- Established and directed a \$3M program to bring ORNL into compliance with state and federal regulations governing water pollution including long range plans and waste minimization strategies that included charging generators for waste management.
- Received the first waste minimization award from the DOE-Oak Ridge Operations Manager.
- Identified functional requirements and supervised capital projects for upgrading facilities.

Project Manager, Waste Management Operations

- Conducted system analysis identifying requirements and predicting the results of operational improvements and waste minimization.
- Directed field implementation of waste minimization, systems characterization, and operational and capital improvements of \$5M. Supervised preparation of operating procedures.

Education and Training

B.S., Chemical Engineering, 1982, University of Florida
M.S., Chemical Engineering, 1992, University of Tennessee

Representative Publications

Berry, J.B., et al., *Survey of U.S. Mineral and Metal Process Residues*, to be published in the proceedings of TMS meeting June 2002, Luleå, Sweden.

Berry, J.B., et al., *Removal of Mercury Enables Recycle of Copper Smelter Acid Plant Sludge*, to be published in the proceedings of TMS meeting June 2002, Luleå, Sweden.

R&D of Mercury Separation from Copper Acid Plant Blowdown, ORNL/TM-2002/226, January 2002.

Methods for Identifying Opportunities for Economical By-products Recovery in the Metals Mining Industry, ORNL/TM-2002/225, November 2001.

Berry, J. B. et al., *Sustainable Recovery of By-Products in the Mining Industry*, presented at the AIChE Spring National Meeting and published in the proceedings, April 23-25, 2001, Houston, TX.

Other Pertinent Information

- Section Chair, American Institute of Chemical Engineers; member of ASHRAE
- Organized or chaired 15 professional meetings and/or conference sessions.
- Authored/co-authored more than 90 papers—several have been peer-reviewed.
- Managed publication of a 31-document, technical library series.

Certification of Accuracy

This resumé has been certified for accuracy by Jeanette B. Berry on February 20, 2002, and by Philip D. Fairchild, ORNL Group Leader, Combined Heating Cooling and Power, on February 20, 2002.