

James G. Burritt

EXPERIENCE SUMMARY

James G. Burritt is an independent consultant for project evaluation, organizational and project management, and project planning, specializing in the nuclear and fossil power fields. He has had over 44 years of experience including operation, maintenance, construction, and repair of conventional and nuclear facilities and ships, and management and evaluation of projects and organizations. He has worked on several major government and private projects in Russia, and has traveled to Russia more than 70 times since 1995. He currently holds an active DOE Q clearance.

He serves as a senior technical and project management advisor to the Federal Project Director, Seversk Plutonium Production Elimination Project, Elimination of Weapons Grade Plutonium Program, U.S. Department of Energy. He also served as a member of the DOE NA-23 EWGPP project and program support team located at NETL, Pittsburgh, PA. This project is being executed in Moscow and Tomsk, Russia

Mr. Burritt has extensive experience in planning, conducting, and leading reviews of projects for the Department of Energy, the U.S. Navy, and private industry. Recent experience in the area of DOE programs includes performing management assessments of the Seversk Plutonium Production Elimination Project (SPPEP), planning and directing management assessments and providing advice on organizational structure and project operation for the River Protection Project at Hanford, conducting assessments of the Spent Nuclear Fuel Project, at Hanford; developing program plans and conducting assessments of the International Nuclear Safety Program (INSP) managed by the Pacific Northwest National Laboratory; conducting an evaluation of the effectiveness of the INSP in 5 central and eastern European countries.

Mr. Burritt was a member of the Technical Advisory Team for the Savannah River Salt Processing Project. Part of his duties involved evaluating several competing technologies.

Mr. Burritt has presented papers at two NATO workshops and one MINATOM conference in Moscow and Vladivostok Russia addressing the problem of old out of commission Russian nuclear submarines and the associated spent nuclear fuel and nuclear waste.

He participated for 5 years as a member of the International Nuclear Safety Program technical and management oversight team of the Russian Plutonium Production Reactor Core Conversion Program. He has visited the facilities at Zheleznogorsk and Seversk on a number of occasions.

He has assisted a U.S. Maritime Administration program to assess the environmental aspects of ship scrapping, a major problem for the disposal of government ships.

He managed the development of a technical and economic assessment of a project to extract oil and gas from under the ice in the Russian arctic seas. This project involved conceptual design and economic analysis using American, Russian, and British design organizations, and involved interaction with various Russian ministries and design bureaus. The technology involved nuclear and submarine concepts.

In the area of business development, he has assisted in the development of a strategy for the privatization of the former Philadelphia Naval Shipyard, and helped a ship repair company formulate a strategy for diversification.

Prior to starting his consulting practice in 1993, from 1989 to 1993 Mr. Burritt was the General Manager, Newport News Industrial Corporation, a commercial nuclear services company and a subsidiary of Newport News Shipbuilding. He was responsible for diversifying the company and returning it to profitability.

From 1986 to 1989 Mr. Burritt was Director, Engineering Services and Manager, Test Engineering with Newport News Shipbuilding.

Mr. Burritt was a career Naval Officer, achieving the rank of Captain. He served in a variety of shipboard and engineering assignments including:

- Command of the Naval Ship Systems Engineering Station, a 1700 person organization which is the Navy's principal in-service engineering and test and evaluation facility
- Repair officer on a submarine tender
- Quality assurance officer with a major Navy shipbuilding supervisor
- Nuclear repair officer at Charleston Naval Shipyard
- Serving on three nuclear submarines and one destroyer in a variety of engineering and operations assignments including two tours as Chief Engineer
- Serving as a nuclear reactor safeguards evaluator on the Nuclear Propulsion Examining Board, U.S. Atlantic Fleet.

SIGNIFICANT CONSULTING PROJECTS

Provided project management, project evaluation, technical, and other consulting services to the Federal Project Director, Seversk Elimination of Plutonium Projection Project, NNSA.

Served as a member of the DOE NA-23 EWGPP project and program support team located at NETL, Pittsburgh, PA

Assisted Office of River Protection in preparations for their start of construction critical decision external independent review. (2002)

Participated as a member of the team developing the Acquisition Risk Management system for the U.S. Department of Energy. Performed an acquisition risk evaluation of the Idaho HLW project. (2001)

Served as a member of the Technical Advisory Team for the DOE Savannah River Site Salt Processing Project. (2001)

Served as Technical Advisor (expert advisor) to DOE for the External Independent Review of the River Protection Project. Developed the planning architecture for the review. Managed and coordinated the review within DOE. Performed independent review of RPP design phase six month point. Developed lessons learned for the EIR process. (1999-2000)

Prepared Office of River Protection and River Protection Project organizational studies for the Assistant Secretary of Energy, Environmental Management. (1999)

Led three readiness reviews and participated in another for the DOE readiness to proceed with the design and demonstration phase of River Protection Project. (1999)

- Participated in a DOE sponsored non-proponent review of readiness to proceed.

- Led the following reviews:

- Readiness of DOE-RL Waste Disposal Division readiness to manage the contract
- Validity of the overall Readiness to Proceed process (ATP)
- Adequacy of the DOE Congressional and Secretary of Energy Decision Package.

Served as an evaluation team member for DOE spent nuclear fuel project evaluation. (1999)

Developed the management plan for the U.S. Department of Energy's International Nuclear Safety Program, which is taking place in Russia, Ukraine, Lithuania, Bulgaria, Armenia, Czech Republic, Hungary, and Slovakia. Additionally participated in the following initiatives for the INSP:

- Development of the program procurement strategy.
- Program management oversight.
- Development and implementation of a self-assessment program.
- Assessed the management effectiveness of the International Nuclear Safety Program.

Assessed the effectiveness of the International Nuclear Safety Program in the Central and Eastern European countries of Lithuania, Czech Republic, Slovakia, Hungary, and Bulgaria. This work was performed for the program funding agency, the U.S. Agency for International Development (USAID) through the Battelle Pacific Northwest National Laboratory. (1997)

Participated as a member of the U.S. technical and management oversight team for the Russian Plutonium Production Reactor fuel cycle conversion program for the reactors at Tomsk and Krasnoyarsk, Russian Federation. This work involved a number of Russian institutes, including the Kurchatov Institute in Moscow and the various Russian scientific and industrial organizations that are involved in the redesign. (1995-1999)

Developed a technical and economic assessment to determine the technical and economic viability of developing natural gas resources in the Russian Arctic seas. This effort was being performed for Werner Offshore, Inc. Much of the design work and assessment of social and economic impact was performed in Russia using Russian design and scientific institutes and Russian industrial facilities. In addition to preparing the assessment, coordinated the efforts of the Russian partners in the project. Served as Vice President, R&D for Werner Offshore for this project. (1996-1997)

Presented papers at the 1995 and 1997 NATO conferences concerning defueling and decommissioning Russian nuclear powered ships, held in Moscow and St. Petersburg, Russian Federation. Presented a paper at the MINATOM conference on the same subject in Vladivostok in 2002.

Assessed and evaluated environmentally sensitive shipbreaking in the U.S. for the United States Maritime Administration. (1996)

Participated in the study and analysis of the commercial potential of the former Philadelphia Naval Shipyard including development of the strategy of how to determine who potential tenants might be, how to attract their interest, how to solicit a proposal, and how to evaluate the proposals and select the best tenants. This work was performed for the city of Philadelphia. This work was done in conjunction with J.F. Lehman & Company, New York, the prime contractor for this project.

Authored a White Paper for the Pacific Northwest National Laboratory and the Department of Energy proposing U.S. technical assistance for decommissioning Russian nuclear submarines and defueling and disposition of spent nuclear fuel.

EDUCATION

Mr. Burritt received a Bachelor of Metallurgical Engineering degree for Rensselaer Polytechnic Institute, and a Master of Science in Management (in acquisition management) from the U.S. Naval Postgraduate School. He is a member of the American Nuclear Society, the American Society of Naval Engineers, the Society of Naval Architects and Marine Engineers. He is a Fellow of the Royal Institute of Naval Architects (UK). He is a Licensed Professional Engineer.