

ROBERT HOWARD SMITH JR.

EXPERIENCE SUMMARY

40 years engineering and management assignments in analytical research, chemical flow sheet development at Savannah River Site, with over 30 years of Plutonium Processing Subcontract experience as follows:

1966-2006 Savannah River Site – DuPont
2006-2010 Savannah River Site – Contracted through ACTS, Inc.
2010-2013 Savannah River Site – Contracted through Value Added Solutions, Inc.
2015-Present Savannah River Site – Contracted through Longenecker & Associates, Inc.

Management experience with increasing responsibilities associated with major project and engineering scopes involving both the construction of, and the dismantlement of plutonium process facilities.

Clearances: Q Clearance for DOE Complex

DETAILED EXPERIENCE

February 2015-Present

Assigned to Mission Development/Support Engineering Organization supporting Design Authority, contributing to the development of Conceptual Design Packages for the process preparation and disposition of surplus plutonium, coming from different feed sources.

February 2011-December 2013

Assigned to the Material Disposition Engineering Organization with responsibilities on process flow sheet development and implementation toward production start-up of a facility that will provide feed for the Mixed Oxide Fuel Production Facility (MOX).

March 2010-February 2011

Assigned to the PDC Project Design Authority Engineering Organization to contribute to development of the Conceptual Design Report that links the Plutonium Preparation Project and the Pit Disassembly and Conversion Facility Project. Responsibilities included:

- Plutonium Technologies.
- Technology Development.
- Disposition of non-Pit plutonium that cannot be fabricated into mixed oxide commercial reactor fuel.

March 2006-2010

Staff Augmentation support to Project Engineering Design Authority assigned to the disposition of DOE surplus plutonium with primary responsibilities associated with plutonium processing technologies.

Retired in 2006 and have been a sub-contractor since with a variety of assignments associated with the disposition of plutonium at the Savannah River Site.

October 1994-January 2006

Engineer providing Technical support to HB-Line facility with primary responsibilities in criticality control, process chemistry, and Safety Basis Documentation. Responsibilities included:

- Principal participant in the development of the Facility Documented Safety analysis
- Core team member for development of an improved criticality safety methodology that was approved by the DOE and the DNFSB and successfully implemented.
- Process engineering lead for process flow sheet development to recover neptunium for future programmatic needs.
- Senior Technical Advisor for plutonium operating facility addressing a variety of issues associated with the facility compliance to design safety basis accident scenarios.

March 1987-October 1994

Manager of the D&R of the old (Replaced) RB-Line preparing space for The Uranium Solidification Facility.

In addition to the D&R responsibilities, was the M&O Lead for each of the first four formal Contractor Operational Readiness Reviews performed at the Savannah River Site in the early 1990s.

November 1979-March 1987

Manager of organization following the construction of the replacement Plutonium Processing Facility (New RB-Line). Major management responsibilities included:

- Following the construction of the facility.
- Upon accepting the facility from Construction performing complete check out of the process and support equipment.
- Producing the Operating Procedures for the new facility organization.
- Providing technical support during the 4 DOE Headquarters Operational Readiness Reviews conducted on each facility process.

EDUCATION

North Carolina State University

Bachelor of Science, ChE, 1967