

KEVIN J. BERRY, P.E.

Technical Manager/Field Supervisor

WORK HISTORY

Creative Engineers, Inc. Vice President & Chemical Engineer	1996 - Current
Callery Chemical Company Div. of Mine Safety Appliances Co. Manager of Alkali Metal Products	2 Years
Project Manager	2 Years
Senior Process Engineer – Alkali Metal Products	21 Years
Sinclair-Koppers Company (now Nova Chemicals) Production supervisor	1 year

AREAS OF EXPERTISE AND EXPERIENCE

- * Alkali metal handling and use (sodium, potassium and NaK)
- * Remediation of Alkali metal handling and use (sodium, potassium and NaK)
- * Management of chemical manufacturing processes including reducing cost of goods sold and reducing delivery times.
- * New product development and commercialization.
- * Creative combination of existing technologies to enable designs to meet/exceed production, quality and regulatory requirements.
- * Engineering, design and construction of processes for highly hazardous and difficult to handle product lines including pyrophoric, toxic and highly reactive materials including alkali metals (sodium and potassium)
- * High temperature processing, including distillation.
- * Batch and continuous processing.
- * Process Hazard Analysis.
- * OSHA, EPA, DEP, DOT and other regulatory agencies.

United States Navy Naval Officer/Pilot

Feb-66 to May-72

Served in numerous capacities: naval aviator, flight instructor, administrative, and personnel officer at various locations. Vietnam service and aircraft carrier pilot.

EDUCATION

BS Chemical Engineering, University of Pittsburgh

OTHER

- Registered Professional Engineer in the state of Pennsylvania
- Member, National Society of Professional Engineers, AICHE
- Lt. Colonel, Air Force Reserve. Commander of Flight Operations and pilot.
- Numerous professional and continuing education courses and seminars, available on request.

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ALKALI METAL EXPERIENCE

CEI Consultant to NASA for Liquid Metal Projects

CEI Operator – Detroit Edison Fermi 1 Sodium removal

CEI Operator – Australian Magnesium Corporation – Sodium removal and cleanup of process pilot plant – 6 tons of sodium.

CEI Consultant – Consulting to & for Metaux Speciaux (French Sodium Producer) – Ongoing.

CEI Technical Manager – ASARCO Sodium Storage Tank Cleanout - 2005

CEI Technical and Project Manager – TSF SNAP Reactor Dismantlement Project - Ongoing

CEI Technical Manager – Fluor Hanford Cold Trap Sodium Removal – 2004

CEI Technical Manager – Fluor Hanford CRCTA Residue Removal – 2004

CEI Technical Manager – NaK Reaction Tests and Demonstration (UKAEA) 2003

CEI Technical Manager – Dow NaK Tank Cleanup Project 2003

CEI Technical Manager – BWXT Y-12 Project, NaK Cleanup Project 2001

CEI Technical Consultant – Detroit Energy – Fermi 1 Sodium and NaK Cleanup work 2000 to 2002

CEI Process Engineer – Bulk Sodium Storage and Transfer Facility for Two H. C. Starck Tantalum plants, one in the US and one in Thailand. 1999 to 2001.

CEI Process Engineer – design and construction of the KMR Industries Sodium dispersion plant.

Various positions as manager and process engineer at Callery Chemical Company for 23 years with responsibility for all engineering support of the NaK production unit, the potassium production unit, the potassium superoxide production unit. Work included responsibility for the engineering involved to meet safety and environmental requirements including permitting.

Specific Projects at Callery Chemical Company include:

- 1 Design and construction of a new alkali metal alkoxides production unit.
- 2 Design and construction of two bulk alkali metal storage systems, each with 2 large tanks
- 3 Debottlenecking of the potassium production process.
- 4 Implementation of new scrubber technology for the treatment of smoke from alkali metal operations.