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**Name:** KEVIN J. BERRY

**Title:** Vice President, P.E.

**Education:** BS in Chemical Engineering

**Affiliations:** Registered Professional Engineer in the state of Pennsylvania  
Member, National Society of Professional Engineers, AIChE  
Air Force Reserve, Lt. Colonel, Commander of Flight Operations and pilot.

**Training:** Numerous professional and continuing education courses and seminars,  
available on request.

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Mr. Berry has over 35 years of experience in Operations, Project Management, Engineering, New Product Development and Production in the Chemical and Specialty Metals Industry, with world-class expertise in Alkali Metals. A few highlights of his career are as follows:

- Alkali metal handling and use (sodium, potassium and NaK)
- Remediation of alkali metals (sodium, potassium, NaK and lithium)
- 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 such as alkali metals (sodium and potassium) and boron hydrides.
- High temperature processing, including distillation.
- Batch and continuous processing.
- Process Hazard Analysis.
- Interface with OSHA, EPA, DOT and other federal and state regulatory agencies.

Relevant Creative Engineers Alkali Metals experience includes:

- Project Manager – Sodium Cleanup, EBRII Sodium Storage Tank, Idaho National Labs 2010
  - Project Manager – Sodium Potassium Alloy Cleanup – Fluor Hanford (FFTF) 2006-2007
  - Technical Manager – Sodium Cleanup – Bechtel Jacobs, 2006
  - Operator – Australian Magnesium Corporation – Sodium removal and cleanup of process pilot plant – 6 tons of sodium. 2004
  - Consultant – Consulting for Metaux Speciaux (French Sodium Producer)
  - Consultant – Consulting for DuPont (US Sodium Producer)
  - Project Manager and Technical Manager – ASARCO Sodium Storage Tank Cleanout - 2005
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- Technical and Project Manager – TSF SNAP Reactor Dismantlement Project – 2003 to 2006
- Technical Manager – Fluor Hanford Cold Trap Sodium Removal and Deactivation – 2004
- Technical Manager – Fluor Hanford CRCTA Residue Deactivation – 2004
- Technical Manager – NaK Reaction Tests and Demonstration (UKAEA) 2003
- Technical Manager – Dow NaK Tank Cleanup and Bulk NaK Disposal Project 2003
- Technical Manager – BWXT Y-12 Project, NaK Cleanup Project 2001
- Technical Consultant – Detroit Energy – Fermi 1 Sodium and NaK Cleanup work 1998 to 2008
- 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.
- 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:

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

#### **Employment History:**

Creative Engineers, Inc. Vice President and Sr. Chemical Engineer	1995 to Present
Callery Chemical Company (division of Mine Safety Appliances) Manager of Alkali Metal Products, Project Manager and Sr. Chemical Engineer	1970 to 1999
Sinclair-Koppers Company (now Nova Chemicals) Production Supervisor	1969 to 1970