

**Curriculum Vitae.****Richard B. Kuprewicz**4643 192<sup>nd</sup> Dr NE  
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**Profile:**

As president of Accufacts Inc., I specialize in gas and liquid pipeline investigation, auditing, risk management, siting, construction, design, operation, maintenance, training, SCADA, leak detection, management review, emergency response, and regulatory development and compliance. I have consulted for various local, state and federal agencies, NGOs, the public, and pipeline industry members on pipeline regulation, operation and design, with particular emphasis on operation in unusually sensitive areas of high population density or environmental sensitivity.

**Employment:****Accufacts Inc.****1999 – Present**

Pipeline regulatory advisor, incident investigator, and expert witness on all matters related to gas and liquid pipeline siting, design, operation, maintenance, risk analysis, and management.

**Position:** President  
**Duties:** > Full business responsibility  
> Technical Expert

**Alaska Anvil Inc.****1993 – 1999**

Engineering, procurement, and construction (EPC) oversight for various clients on oil production facilities, refining, and transportation pipeline design/operations in Alaska.

**Position:** Process Team Leader  
**Duties:** > Led process engineers group  
> Review process designs  
> Perform Hazard analysis  
> HAZOP Team leader  
> Assure regulatory compliance in pipeline and process safety management

**ARCO Transportation Alaska, Inc.****1991 - 1993**

Oversee Trans Alaska Pipeline System (TAPS) and other Alaska pipeline assets for Arco, after Exxon Valdez event.

**Position:** Senior Technical Advisor  
**Duties:** > Access to all Alaska operations with partial Arco ownership  
> Review, analyse major Alaska pipeline projects

**ARCO Transportation Co.****1989 – 1991**

Responsible for strategic planning, design, government interface, and construction of new gas pipeline projects, as well as gas pipeline acquisition/conversions.

**Position:** Manager Gas Pipeline Projects  
**Duties:** > Project management  
> Oil pipeline conversion to gas transmission  
> New distribution pipeline installation  
> Full turnkey responsibility for new gas transmission pipeline, including FERC filing

**Four Corners Pipeline Co.****1985 – 1989**

Managed operations of crude oil and product pipelines/terminals/berths/tank farms operating in western U.S. including, regulatory compliance/spill response, and telecommunications & SCADA organizations supporting operations.

**Position:** Vice President and Manager of Operations  
**Duties:**  
> Full operational responsibility  
> Major ship berth operations  
> New acquisitions  
> Several thousand miles of common carrier and private pipelines

**Arco Product CQC Kiln****1985**

Operations manager of new plant acquisition, including major cogeneration power generation, with full profit center responsibility.

**Position:** Plant Manager  
**Duties:**  
> Team building of new facility that had been failing  
> Plant design modifications and troubleshooting  
> Setting expense and capital budgets, including key gas supply negotiations  
> Modification of steam plant, power generation, and environmental controls

**Arco Products Co****1981 - 1985**

Operated Refined Product Blending, Storage and Handling Tank Farms, as well as Utility and Waste Water Treatment Operations for the third largest refinery on the west coast.

**Position:** Operations Manager of Process Services  
**Duties:**  
> Modernize refinery utilities and storage/blending operations  
> Develop hydrocarbon product blends, including RFGs  
> Modification of steam plants, power generation, and environmental controls  
> Coordinated new major cogeneration installation, 400 MW plus

**Arco Products Co****1977 - 1981**

Coordinated short and long-range operational and capital planning, and major expansion for two west coast refineries.

**Position:** Manager of Refinery Planning and Evaluation  
**Duties:**  
> Establish monthly refinery volumetric plans.  
> Develop 5-year refinery long range plans  
> Perform economic analysis for refinery enhancements  
> Issue authorization for capital/expense major expenditures

**Arco Products Co****1973 - 1977**

Operating Supervisor and Process Engineer for various major refinery complexes.

**Position:** Operations Supervisor/Process Engineer  
**Duties:**  
> FCC Complex Supervisor  
> Hydrocracker Complex Supervisor  
> Process engineer throughout major integrated refinery improving process yield and energy efficiency

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**Qualifications:**

Currently serving as a member representing the public on the federal Technical Hazardous Liquid Pipeline Safety Standards Committee (THLPSSC), a technical committee established by Congress to advise PHMSA on pipeline safety regulations.

Committee members are appointed by the Secretary of Transportation.

Served seven years, included position as its chairman, on the Washington State Citizens Committee on Pipeline Safety (CCOPS).

Positions are appointed by the governor of the state to advise federal, state, and local governments on matters related to pipeline safety, routing, construction, operation and maintenance.

Served on Executive subcommittee advising Congress and PHMSA on a report that culminated into new federal rules concerning Distribution Integrity Management Program (DIMP) gas distribution pipeline safety regulations.

As a representative of the public, advised the Office of Pipeline Safety on proposed new liquid and gas transmission pipeline integrity management rulemaking following the pipeline tragedies in Bellingham, Washington (1999) and Carlsbad, New Mexico (2000).

Member of Control Room Management committee assisting PHMSA on development of pipeline safety Control Room Management (CRM) regulations.

Certified and experienced HAZOP Team Leader associated with process safety management and application.

**Education:**

MBA (1976)

BS Chemical Engineering (1973)

BS Chemistry (1973)

Pepperdine University, Los Angeles, CA

University of California, Davis, CA

University of California, Davis, CA

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**Publications in the Public Domain:**

1. "An Assessment of First Responder Readiness for Pipeline Emergencies in the State of Washington," prepared for the Office of the State Fire Marshall, by Hanson Engineers Inc., Elway Research Inc., and Accufacts Inc., and dated June 26, 2001.
2. "Preventing Pipeline Failures," prepared for the State of Washington Joint Legislative Audit and Review Committee ("JLARC"), by Richard B. Kuprewicz, President of Accufacts Inc., dated December 30, 2002.
3. "Pipelines - National Security and the Public's Right-to-Know," prepared for the Washington City and County Pipeline Safety Consortium, by Richard B. Kuprewicz, dated May 14, 2003.
4. "Preventing Pipeline Releases," prepared for the Washington City and County Pipeline Safety Consortium, by Richard B. Kuprewicz, dated July 22, 2003.
5. "Pipeline Integrity and Direct Assessment, A Layman's Perspective," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated November 18, 2004.

6. "Public Safety and FERC's LNG Spin, What Citizens Aren't Being Told," jointly authored by Richard B. Kuprewicz, President of Accufacts Inc., Clifford A. Goudey, Outreach Coordinator MIT Sea Grant College Program, and Carl M. Weimer, Executive Director Pipeline Safety Trust, dated May 14, 2005.
7. "A Simple Perspective on Excess Flow Valve Effectiveness in Gas Distribution System Service Lines," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated July 18, 2005.
8. "Observations on the Application of Smart Pigging on Transmission Pipelines," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated September 5, 2005.
9. "The Proposed Corrib Onshore System An Independent Analysis," prepared for the Centre for Public Inquiry by Richard B. Kuprewicz, dated October 24, 2005.
10. "Observations on Sakhalin II Transmission Pipelines," prepared for The Wild Salmon Center by Richard B. Kuprewicz, dated February 24, 2006.
11. "Increasing MAOP on U.S. Gas Transmission Pipelines," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated March 31, 2006. This paper was also published in the June 26 and July 1, 2006 issues of the Oil & Gas Journal and in the December 2006 issue of the UK Global Pipeline Monthly magazines.
12. "An Independent Analysis of the Proposed Brunswick Pipeline Routes in Saint John, New Brunswick," prepared for the Friends of Rockwood Park, by Richard B. Kuprewicz., dated September 16, 2006.
13. "Commentary on the Risk Analysis for the Proposed Emera Brunswick Pipeline Through Saint John, NB," by Richard B. Kuprewicz, dated October 18, 2006.
14. "General Observations On the Myth of a Best International Pipeline Standard," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated March 31, 2007.
15. "Observations on Practical Leak Detection for Transmission Pipelines – An Experienced Perspective," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated August 30, 2007.
16. "Recommended Leak Detection Methods for the Keystone Pipeline in the Vicinity of the Fordville Aquifer," prepared for TransCanada Keystone L.P. by Richard B. Kuprewicz, President of Accufacts Inc., dated September 26, 2007.
17. "Increasing MOP on the Proposed Keystone XL 36-Inch Liquid Transmission Pipeline," prepared for the Pipeline Safety Trust by Richard B. Kuprewicz, dated February 6, 2009.
18. "Observations on Unified Command Drift River Fact Sheet No 1: Water Usage Options for the current Mt. Redoubt Volcano threat to the Drift River Oil Terminal," prepared for Cook Inletkeeper by Richard B. Kuprewicz, dated April 3, 2009.
19. "Observations on the Keystone XL Oil Pipeline DEIS," prepared for Plains Justice by Richard B. Kuprewicz, dated April 10, 2010.