

Richard B. Kuprewicz

EXPERIENCE

- 1999 - Present** **ACCUFACTS INC., Redmond, WA**
Pipeline Consultant
Specialize in gas and liquid pipeline investigation, auditing, risk management, siting, design, operation, maintenance, training, SCADA, leak detection, management, emergency response, and regulatory compliance. Consultant to various city and state agencies, and pipeline industry on pipeline regulation, operation and design, with particular emphasis on operation in unusually sensitive areas of high population density or environmental sensitivity.
- 1993 - 1999** **Alaska Anvil Inc., Anchorage, AK**
Consultant
Technical process consultant for various clients on oil production facilities, refining, and transportation pipeline design/operations in Alaska. Experienced in federal and state pipeline and OSHA Process Safety Management regulations.
- 1991 - 1993** **ARCO Transportation Alaska Inc., Anchorage, AK**
Pipeline Consultant
Senior Technical Advisor on operation and troubleshooting of Trans Alaska Pipeline System, following the "Exxon Valdez" incident.
- 1989 - 1991** **ARCO Transportation Co., Long Beach, CA**
Manager of Gas Pipeline Projects
Responsible for planning, design, government interface, and construction of new gas pipeline projects as well as gas pipeline acquisition/conversions. Closely involved with Washington UTC and Office of Pipeline Safety during permitting/construction/operation of a new 16-inch gas pipeline from Canada.
- 1985 - 1989** **Four Corners Pipeline Company, Long Beach, CA**
Vice President and Manager of Operations
Managed operations of crude oil and product pipelines/terminals operating in western U.S. Responsibilities included: a cross-country crude oil pipeline, extensive product pipelines operating in the Los Angeles Basin, additional common carrier crude pipelines in California, marine and truck terminals, as well as Regulatory Compliance/Spill Response and Telecommunications/SCADA organizations supporting operations.
- 1981 - 1985** **ARCO Products Company, Carson, CA**
Manager of Process Services
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.
- 1977 - 1981** **ARCO Products Company, Carson, CA**
Manager of Planning and Evaluation
Coordinated short and long-range operational and capital planning and expansion for two west coast refineries.
- 1973 - 1977** **ARCO Products Company, Carson, CA**
Operations Supervisor/Process Engineer
Operating Supervisor and Process Engineer for various refinery complexes.

EDUCATION

Pepperdine University, Los Angeles, CA
MBA, 1977
University of California, Davis, CA
BS Chemical Engineering, 1973

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BS Chemistry, 1973

I am president of Accufacts Inc., a pipeline consulting firm based in Washington State providing independent "Clear Knowledge in the Over Information Age." I have more than 37 years experience in the energy industry offering special focus on appropriate pipeline design and operation in areas of unique population density or of an environmentally sensitive nature. I take special pride in my particular ability to review pipeline "systems" and condense and present leveraging information to parties in clear, easy to understand, terms. Quite simply, I provide neutral third party analysis to assist decision makers in reaching appropriate informed conclusions regarding pipelines, including their risk assessment and management.

I have represented numerous parties concerning sensitive pipeline matters. The vast majority of these clients are public citizens, or representatives of local city, county, state, or federal governmental agencies, or environmental organizations that need highly specialized expertise regarding critical pipeline system matters. I have a demonstrated track record of providing independent evaluations for this highly critical infrastructure. To cite two specific examples from Accufacts' extensive client base: Accufacts played a key role for the City of Bellingham, Washington in developing and negotiating both the Bellingham Pipeline Safety Immediate Action Plan and a Long Term Franchise Agreement with Olympic Pipeline defining startup as well as operational, design, and management process modifications following the 1999 liquid pipeline tragedy. I also assisted the Lower Colorado River Authority (LCRA) in their successful negotiations and efforts with the Department of Justice, Department of Transportation, Environmental Protection Agency, and Longhorn Pipeline Partners LLP in obtaining critical design and operational enhancements for the proposed 18-inch liquid products Longhorn Pipeline located in Texas. Crucial to the Longhorn negotiations were considerable interactions regarding Longhorn's risk management analysis and subsequent Mitigation Measures agreed to as they pertained to critical water assets entrusted to the LCRA. Additional Clients are drawn from many pipeline projects including siting (FERC) and emergency response to gas distribution and transmission, as well as liquid pipeline failures, as I have represented both industry and interveners in various pipeline issues.

I am experienced and knowledgeable in the application of U.S. federal and various state pipeline regulations, Canadian National Energy Board and provincial pipeline safety codes and standards (i.e., CSAs), and other international pipeline standards or codes for various countries. This gives me a valuable perspective in today's era of pipeline deregulation or risk management. It would be fair to assume that, based on my observations, no one international standard or code addresses all pipeline issues of concern, as each country's standard has important different strengths and weaknesses.

My background draws from a wealth of very unique operational and field experiences garnered from gas and liquid pipelines operating across some of the most sensitive areas of the world. This exceptional background allows me to

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serve as an expert on all aspects of pipeline operation including, but not limited to, siting, design, maintenance, operation, leak detection, inspection and testing, emergency response, risk analysis, failure impact prediction, and management. I have also provided considerable input and testimony to local, state, and federal agencies, Congress, and pipeline companies, as pipeline regulations have changed over the last three decades.

Concerning pipeline issues, I am currently serving as a representative of the public on the Technical Hazardous Liquid Pipeline Safety Standards Committee (THLPSSC), a committee defined by U.S. federal law, whose members are appointed by the Secretary of the Department of Transportation, to advise the federal Pipeline and Hazardous Material Safety Administration (PHMSA) on proposed liquid pipeline regulations. I have also served as a member, as well as the chairman, of the Washington State Citizens Committee on Pipeline Safety, a position appointed by the Governor to advise local, state, and federal agencies on all aspects of pipeline matters. I have also recently served as a member of the public on the Executive Steering Committee that assisted PHMSA in developing a report concerning distribution integrity management program (DIMP) efforts for new pipeline regulations addressing gas distribution systems at the U.S. federal level, and as an advisor to the SCADA focus group assisting PHMSA in meeting requirements pertaining to SCADA or pipeline control room activities defined in the federal Pipeline Safety Improvement Act of 2002.