



Office: JARSCRO Utilities Inc., 441 Pennsylvania Avenue, Santa Cruz, CA 95062
Phone: 831.475.0143 / Direct: 831.334.2613 / Email: jarsco_jar@yahoo.com

Carl 'Jar' Mellem
CEO, JARSCO Utilities Inc.

LEADERSHIP

- Ensured federal safety compliance for over 300 jurisdictional propane and natural gas distribution systems
- Supervised up to 26 employees conducting scheduled gas leak surveys for Pacific Gas and Electric which entailed investigating over half a million services and 8,000 miles of main
- Lead the conduction of a gas leak survey for El Paso Natural Gas involving almost 1,000 miles of transmission main from Texas to California
- Directed the conduction of gas leak surveys and monitoring of the 13 impressed current rectifiers for the City of Coalinga for the last 8 years
- Administered the conduction of gas leak surveys and overall gas system analyses for the California State University at Monterey Bay (formerly Fort Ord) for the last 9 years
- Coordinated the removal and rerouting of active gas distribution mains and services for the Department of the Army at the Presidio at Monterey
- Managed the conduction of gas leak surveys and cathodic protection evaluations on approximately 20 miles of propane distribution piping for Ferrellgas in California for the past 9 years

CONSULTING

- Counseled California State University on gas infrastructure upgrades
- Performed troubleshooting for cathodic protection failures in San Francisco for Pacific Gas and Electric
- Advised Ferrellgas regarding propane systems design and compliance issues in California, Colorado, Texas
- Assisted Campora Propane with propane systems design and installation in California

**TRAINING &
PRESENTATIONS**

- Invited by the California Public Utilities Commission (CPUC) to present a technical seminar at the annual CPUC/DOT pipeline safety seminar in 2000 and 2002, regarding the conduction of gas leak surveys and cathodic protection
- Invited by California Public Utilities Commission (CPUC) to train 8 state field inspectors
- Invited by Pacific Gas and Electric to present an advanced leak survey seminar to field personnel, supervisors, and engineering staff
- Conducted onsite training and qualification of over 2500 operators and employees of small, independent gas distribution systems subject to Federal Pipeline Safety Regulations



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DESIGN

- Engineered and installed over 320 cathodic protection systems
- Conceived, developed, and patented a remote gas valve actuator (Patent No. 5,697,397)
- Designed and installed 19 new gas distribution systems using 90,000 feet of main to serve over 1600 homes

PUBLICATIONS

- Authored advanced leak survey manual
- Published over 360 site-specific Operation Maintenance and Emergency manuals for small, independent gas distribution systems

EDUCATION

- B.S. Neurophysiology, University of California at Santa Barbara
- Corrosion Specialist, Nace
- Corrosion Technician, Westec

WORK HISTORY

- CEO, Jarsco Utilities, Inc. 2002 to present
- Owner, Jarsco 1979 to 2002
- Vice President of Construction, Evans Enterprises 1977 to 1979

PERSONAL NOTE

My father was an electrical engineer in the international construction and worked on India's first hydroelectric project. As a result, my parents were living in a construction camp on the Ganges River when I was born. I spent my youth in similar encampments from the foothills of the Himalayas to the rain forests of the Amazon and the deserts of the Southwest. My childhood was truly blessed. I know firsthand what it takes to live and work in foreign countries and cultures, and I miss it dearly.



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JARSCO: References

- ◆ Mr. Drew Kelly
 - Gas Utility Engineer, Pacific Gas & Electric Transmission & Regulation
 - Office: 408.725.2143
 - Cell: 408.781.0878

- ◆ Mr. Gordon Fehlman
 - Gas Superintendent, Pacific Gas & Electric Transmission & Regulation
 - Office: 831.648.3247
 - Cell: 831.682.1783

- ◆ Mr. Brian Kline
 - Propane Systems Consultant
 - Office: 360.635.3496

- ◆ Mr. James Thompson
 - Fire Chief, Borrego Springs, CA
 - Office: 760.767.5436