

# PROCESS PIPING SERVICES

## Previous Scope of Work includes:

- Corrosion Analysis
- Lab Testing
- Scope Assessment
- Engineering and Design
- Project Management
- Construction Management
- Prefabrication
- Installation

## Project Highlights

### Ronald Reagan State Office Building, *CA DGS*

MIC – Microbiological Induced Corrosion Bacteria Testing included:

- Anaerobic Bacteria (ANB)
- Acid Producing Bacteria (APB)
- Sulfate Reducing Bacteria (SRB)
- Heterotrophic Aerobic Bacteria (HAB)
- Iron Related Bacteria (IRB)
- Slime Forming Bacteria (SFB)

### Kern River Site Leasewater, *Chevron USA*

80 miles of ASTM A106 Grade B Schedule 40 & Schedule 80 pipe from 4inch to 14inch.

Corrosion mechanisms present included:

- Microbiological Induced Corrosion
- Oxygen Corrosion
- External Galvanic Corrosion

### Section 18 Water Disposal System, *Macpherson Oil Company*

24inch internally coated water disposal system. Scope included:

- Redesign of piping header configuration
- Prefabrication and internal coating of piping system

## Engineering and Design Services

- 20+ yrs exp California Registered Mechanical Professional Engineers
- 20+ yrs exp Mechanical Piping Designer Specialists
- Comprehensive Intergraph CESAR II Pipe Stress Analysis

## Construction and Prefabrication Services

- California Class A General Engineering Licensed
- California Class C60 Welding Licensed
- ASME B31.3: WPQ QW-484A Section IX, ASME Boiler and Pressure Vessel Code Certified
- API Standard 1104, Standard for Welding Pipelines and Related Facilities Certified

\* additional relevant projects available upon request

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