



Dave Soderstrom



Senior Consulting Process Engineer

785-842-9073

DSoderstrom@RiverCityEng.com

TOP SKILLS

- Landfill Gas
- P&ID & PFD Development
- Gas Process Design
- 2D and 3D CAD design
- Technical Writing
- PHA / PSM
- Relief Valve Sizing
- Refrigeration Systems
- HYSYS
- Heat Exchanger Design (HTRI/EDR)
- Operating Procedure Development

PROFESSIONAL EXPERIENCE

Senior Consulting Process Engineer

River City Engineering, Inc. / Lawrence, KS / May 2007 – Present

Process-oriented engineer with 10+ years of experience coordinating projects in the Oil and Gas industry. Skilled at optimization, technical document development and review, and helping customers realize their needs and achieve their goals. Excellent people and organizational skills to interpret, develop and optimize designs and documentation to guide projects from proposal through delivery.

- Performance tested multiple landfill gas plants.
- Engineering support for multiple landfill gas plants (both Rectisol™ and Selexol™)
- Performed feasibility study for desalination plant.
- Upsized and optimized CBD extraction operation.
- Acted as Owner's Engineer for 50,000 bpd condensate splitter facility.
- Facilitated Process Hazard Analysis for multiple 200+ MMSCFD gas plants.
- Acted as Owner's Engineer for Process Hazard Analysis (PHA) and Layer of Protection Analysis (LOPA) for numerous gas processing, liquids handling and fractionation facilities.
- Designed and documented solutions for PHA recommendations for multiple gas plants.
- Created and updated operating procedures for multiple gas plants
- Multiple studies for natural gas and liquid contaminant removal and disposal.
- Engineering support, safety and technical review, performance test evaluation for new vapor recovery unit for 70,000 BPD fractionation facility
- Engineering support for additional storage and rerun flexibility for 70,000 BPD fractionation facility
- Conceptual design and engineering design work to optimize Ryan-Holmes plant in New Mexico.
- Engineering support and process analysis for Credence Services, Inc.
- Engineering support for numerous floating CNG transport designs.
- Engineering support for gas processing plant expansion from 80MMSCFD to 110 MMSCFD.
- Conceptual design and primary engineering support for a 7MM gas processing skid.
- Conceptual design study including technology selection for a natural gas field in Iraq.
- Engineering support for the development of insulation specifications for a new gas processing plant in Texas.
- Technical review and engineering support for a new gas processing plant/fractionation facility in Indonesia.
- Liquid (water) hammer analysis and prevention study for oil and PBC pipelines.
- Numerous relief and flare studies.
- Owner's engineer for flare design and installation.
- Numerous P&ID reviews and Cause and Effects preparation.
- Technical support and troubleshooting for RCE products and HYSYS extensions EC-OD and CO₂ Freeze.
- Commissioning Leak Test Coordinator (Shared Duty with Reed Knobbe, PE) - Responsible for review and approval of all N₂/He leak testing procedures for ConocoPhillips Jasmine project during offshore greenfield commissioning.
- Evaluation of available gas plant options (GSP, OHR, SCORE, etc.) to determine optimal design during FEL-1 for new plant.



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Project Engineer / Plant Engineer / Plant Manager

BioFoods, Inc. / Oskaloosa, KS / 2000 – 2005

- Developed several new medical devices and gained 501K premarket approval for each
- Developed new processes for current products to increase efficiency and product quality
- Promoted to Plant Manager to run facility and oversee production.

Engineering Consultant

T-Squared / Kansas City, KS / 2005 – 2007

- Continental Disc Corporation - Created new process designs and marketing materials to help the company expand into the pharmaceutical market.
- Goldsboro Hog Farms – Designed a new vaccine production facility.
- CRB Engineering – Provided engineering support on pharmaceutical projects.
- Honeywell – Provided fuel plant failure analysis and designed new plant safety features.

EDUCATION

B.S. Chemical Engineering, 2000

University of Kansas, Lawrence, KS