



Summary of Qualifications

With over 40 years of experience in the refining industry, Daryl has extensive knowledge of the HF Alkylation process and the technology that supports these units globally.

Career Experience

2016 to present

HF Alkylation Consultants – Senior Consultant

Supporting HF Alky units with the following key services:

- Customized Operator & Technical training
- Operational troubleshooting
- Debottlenecking and Expansion Project Preliminary Evaluation
- Turnaround planning and support
- Chemical Cleaning planning and support
- HAZOP participation & consulting
- Consulting for Audit and HAZOP findings resolution
- PSM/MOC (Process Safety Management/Management of Change) support and participation

2008 to 2016

UOP – Alkylation Technical Specialist

Assisted with operating and design issues for alkylation units around the world, including:

- Provided training to HF Alkylation professionals and operators.
- Team Member on 6 customer audits in South Africa and United States.
- Led Audit Team for refinery in Western Europe. Participated in several PHA's on customer projects and sites.
- Team Member on project reviews at customer sites Responsible for vetting and selecting desulfurization processes, including those required to attain Tier 3 sulfur reduction

1991 to 2008

ConocoPhillips – HF Alkylation Licensing and Alkylation Refinery Technical Support

Key highlights include:

- Process Design Engineer for major projects
- Developed Auditing protocols.
- Led teams to do first API RP-751 audits for Conoco's 3 HF Alkylation units.
- Participated in many unit HAZOPs and assisted refineries in closing HAZOP action items.
- Lead teams to do RP-751 audits on ConocoPhillips 8 HF Alkylation units.
- Assisted licensees with HAZOPs on HF Alky units.
- Overseas assignment for new refinery start-up (1999-2003)

1987 to 1991

Sun Refining & Marketing – Crude/Alky Area Manager and Risk Management Coordinator

1981 to 1987

Farmland Industries - Supervisor

1975 to 1981

Conoco – Unit engineer of HF Alkylation, Coker and Reformer units (Refinery Energy Coordinator)

Iowa State

BS – Chemical Engineering