



MIKE SMITH

Senior Consultant

Summary of Qualifications

With over 33 years of experience in the HF Alkylation industry, Mike has been with HF Alkylation Consultants since the company's inception. Prior to joining HFAC, Mike's experience as a refinery Operations Supervisor and Superintendent included day-to-day and long-range planning activities for a large HF Alkylation unit along with several associated process units. This required providing support on areas such as process safety, trouble shooting, optimization, reliability and maintenance.

Mike has participated in over 75 API RP-751 assessments in either a support or leadership capacity. Additionally, Mike brings deep operational experience from his career in HF Alkylation Units.

Career Experience

2010 to present

HF Alkylation Consultants – Senior Consultant

Oversee all areas of engagement, including:

- Leading API 751 Audits
- General Troubleshooting
- Safety and unit operability reviews
- Project scoping
- PSSR (Pre Startup Safety Review)
- PSM/MOC (Process Safety Management/ Management of Change) Supporter Participation.
- Customized Operator & Maintenance training for HF Alkylation personnel
- All technical aspects including SU & SD support, pre-turnaround chemical cleaning, turnaround preparation and support, procedure review, & troubleshooting
- Full API 751 Audits with existing protocol & best practice (RP 751)

1976 to 2010 as itemized below

BP (Formerly Amoco) – Texas City, TX

+30 yrs. extensive operations exp. in the HF Alky Unit

Positions Included:

- Operator, Shift Supervisor, Area Shift Coordinator, HF Alkylation Operations Coordinator, Compliance Program Manager and PSM Coordinator

1992 to 2010

Control of Work Support, Process Safety, Site Compliance & Operations Coordinator Positions

Key areas include:

- Advisor for the new safe control of work program that was being implemented in the refinery
- Ensured Management of Change requirements (OSHA 1910.119) for process operations, procedure, chemical, and mechanical changes for a Hydrofluoric Acid process unit
- Conducted PSSR-Pre-Startup safety reviews required prior to placed equipment /projects/units in service
- Conducted process safety reviews, training and audits per API-751

- Developed new operating and maintenance procedures
- Project superintendent for a new license to operate requirements program
- Developed the process for populating the program that provided oversight on EPA, OSHA and state regulatory requirements for the BP refinery and chemical sites
- Coordinated day to day operations, maintenance and production on a Hydrofluoric Acid Alkylation unit
- Managed capital projects
- Planned and executed equipment and unit outages & TARs
- Developed safety, operations and maintenance procedures
- Developed extensive Hazardous Energy Isolation (Lockout/Tag out) procedures for equipment outages
- Developed and conducted training for Operations, Maintenance and Contractor personnel
- Managed safety equipment requirements (i.e. PPE improvements)
- Participated in a global safety and mechanical network that conducted Process Safety Audits (i.e. RP-751) at various locations throughout the world at BP and third-party joint venture facilities
- Coordinated HAZMAT responder training and site HF specific emergency drills

1976 to 1992

Mobil, British Petroleum and ConocoPhillips – Refining Management and Process Specialist

Key areas include:

- Process Division Coordinator (Shift Superintendent) for 3 FCCU units, 2 Alkylation units and 1 Sulfur Recovery Unit
- Operations supervisor for a Sulfuric Acid Alkylation Unit, Hydrofluoric Alkylation Unit & Sulfuric Acid plant
- Managed process operating crews
- Member of the refinery site Process Safety Committee
- In charge of commissioning a new HF Alky Unit Process specialist for HF Alkylation Unit