

2017 Amine Treating & Sour Water Stripping

Technical Training Courses

Who Should Attend?

These are actual comments made by a cross section of Amine Treating course graduates indicating course applicability:

European Refinery Engineer:

"I heard things where I went "a-ha". Now I understand better and can explain what I see in the plant. If I had taken this course earlier our amine losses would be much less."

Mid-East Gas Plant Engineer:

"Book will be an excellent reference. Course style was great. The training was as outstanding as the sulphur course."

Operations Engineer:

"I liked the Quiet Room - good opportunity to meet other attendees and discuss operational problems and solutions."

First Year Graduate:

"A very good introduction for an individual who has no experience. Would be beneficial to attend again after a few years' experience."

Unit Supervisor:

"Excellent troubleshooting. I only wish I had this information two years ago so I did not have to learn it the hard way."

Design Engineer:

"Direct and immediate benefit to my process design needs."

Board Operator:

"Very relevant to our operations. Covered the subject with practical applications. All operators in my division should attend."

Technical Manager:

"I very much enjoyed the class and can see some cost saving our plant can put to good use."

Operations Manager:

"I'm excited about going back to my plant and trying to implement some of the ideas I got during this course."

Research Scientist:

"The course provided very relevant material. A good combination of theoretical and in-plant application. I have a better idea of monitoring and optimization and troubleshooting."

Solvent Service Technologist:

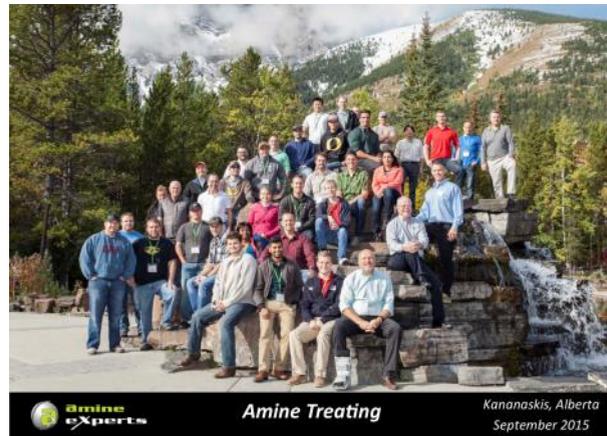
"I like the course style. Excellent time to network with other companies."

Sulphur Plant Operator:

"The course helped me to understand amine processes. It was new for me. I work closely with the amine department and now I know what they are doing."

Amine Experts has a worldwide reputation as a leader in providing independent analytical and process engineering support to operators of amine and sour water stripping systems. Our engineers specialize in troubleshooting process issues and optimizing system performance.

The Amine Treating course has been accepted enthusiastically by industry and has now been presented more than 60 times at locations around the world.



Sulphur Experts, sister company to Amine Experts, presents five-day technical courses on Sulphur Recovery at the same locations the week following the Amine Treating Courses.



Dehydration Experts presents training courses on all aspects of dehydration and refrigeration processes. In 2017, the course will be offered in Kemah, Texas and Kananaskis, Alberta.

Full information on all course offerings, along with pricing information is available on our website at:

www.AmineExperts.com

Speakers



John Sames



Mike Sheilan



Ben Spooner



Philip Le Grange



Joe Brindle

The Amine Experts presentation Team have extensive experience in amine and sour water stripper process engineering. Amine Experts' engineers are well-established as international authorities and have presented specialized training on this subject for over 15 years.

Their extensive project experience provides unmatched insight into all aspects of process design, facility operation, troubleshooting and optimization.

2017 Amine Treating & Sour Water Stripping Technical Training Courses

U.S.A.	KEMAH, TEXAS April 24 - 28, 2017
CANADA	KANANASKIS, ALBERTA September 11 - 15, 2017
EUROPE	BERNKASTEL-KUES, GERMANY October 16 - 20, 2017

"Leaders in Optimizing Amine Processes - Worldwide"



2017

Amine Treating and Sour Water Stripping

April 2017

Kemah Texas, USA

September 2017

Kananaskis Alberta, Canada

October 2017

Bernkastel-Kues, Germany

amine experts



2017 Locations

USA Kemah, Texas April 24 - 28, 2017 South Shore Harbour Resort

Located on the water in Kemah Texas, approximately 50 km south of the George Bush International Airport in Houston. Commercial shuttle bus service is available from Houston airports. Course fee does NOT include accommodation at the Hotel.

Canada Kananaskis, Alberta September 11 - 15, 2017 Lodge at Kananaskis

Located in the Rocky Mountains approximately 120 km west of Calgary. Commercial shuttle bus is available from the Calgary International Airport. Course fee does NOT include accommodation at the Lodge.

Europe Bernkastel-Kues, Germany October 16 - 20, 2017 Hotel Moselpark

Located in the wine-growing region along the Mosel River. A special private shuttle bus is available from the Frankfurt Airport on Sunday evening and returning Friday afternoon. Course fee INCLUDES accommodation at the Hotel

All enquires please contact:
Training Coordinator
Tel: +1 281 336 0848

e-mail: Seminars@SulphurExperts.com

Registration Details

Step by step procedure to ensure successful registration.

- Step 1** Visit our website and select "Training" at www.AmineExperts.com. The website includes content details and registration information for all courses.
- Step 2** Select your desired course location and appropriate fee schedule.
- Step 3** Obtain management approval.
- Step 4** Enquire if any colleagues from your facility would like to take advantage of the reduced Colleague Fee.
- Step 5** Complete your on-line registration being careful to fill in all requested information.
- Step 6** Your registration is not confirmed until payment is received. Method of payment is by secure on-line credit card. We accept VISA, MasterCard, and AMEX.
- Step 7** If you cannot register on-line please contact us by e-mail.
- Step 8** Make international Visa and travel arrangements.

CONFIRMATION

You will be contacted by the Coordinator at several points during this process and will receive written confirmation by return e-mail once your registration is received. You will also receive full travel instructions well before course dates.

HOTEL

We strongly recommend that you stay at the designated hotel to get the most out of this course. To assist registrants, we have reserved a block of rooms at special rates at each location and provide hotel reservation instructions in your course confirmation.

CHECK IN/OUT

Participants are encouraged to arrive on the day prior to the course. Depending on the location, a reception will be held between 17:00 and 19:00 in the hotel on the Sunday. This provides an opportunity to meet fellow participants and speakers and pick up course materials in advance. Details will be provided in the registration confirmation package. The course finishes at 12:30 on the Friday.

Session Outline

SESSION I FUNDAMENTALS & ANALYSIS

- Process Principles
- Amine Chemistry & Amine Selection
- Equipment Review, Important Design
- Parameters and Typical Operating Conditions
- Liquid-Liquid Sweetening
- Amine Analysis - *What you can learn from your analysis (routine and detailed)*

SESSION II AMINE PLANT TROUBLESHOOTING

- Meeting Treat Specifications
- Reduction of Amine Losses and Amine Selection
- Corrosion Control and Case Studies
- Filtration and Separation with Particulate Filters and Activated Carbon

SESSION III AMINE PLANT TROUBLESHOOTING

- Solution Degradation and Heat Stable Salts (Formation & Control Methods)
- Energy Conservation
- Acid Gas Conditioning for Smooth SRU Operation
- In most locations an afternoon group function will be arranged to allow delegates to recover from the hectic pace of this schedule

SESSION IV AMINE PLANT OPTIMIZATION

- Optimization Techniques
- Energy Optimization
- Problem Solving Using an Amine Unit Simulator

SESSION V SOUR WATER STRIPPING

- Sour Water Stripping - Design / Operation
- Environmental Issues

Fees & Discounts See Webpage for Details

EARLY BIRD: Register and pay before the specified date to receive an Early Bird Discount.

COLLEAGUE: If more than one person from your facility or office is attending the same seminar, the second and all subsequent colleagues are entitled to claim the lower registration fee.

COMBINATION: If you are attending both Sulphur and Amine courses, a combination fee is applicable.

Information

OBJECTIVE

To present the fundamentals of all aspects of amine treating from process selection, through operation and plant optimization. The course will include practical information on troubleshooting and process monitoring.

FORMAT

Process basics are presented *first* to facilitate comprehension, given the wide and varied backgrounds of attendees, and optimization and more complex concepts are presented *later*. Questions/comments are encouraged to keep the presentations relevant to attendees' issues. Scheduled breaks and the evening "Quiet Room" concept, provide ample opportunity to discuss plant specific problems in detail, exchange operating experiences, and in many cases, make lifelong contacts.

COURSE MATERIALS

Everyone will receive a comprehensive workbook that includes all slides used throughout the presentations. Additionally you will receive the industry-recognized Amine textbook:

- *Amine Treating* by Sheilan, Spooner and van Hoorn

This text is the result of extensive process research and optimization of amine and sour water stripping plants throughout the world. This book is only available through these Amine courses.

MAXIMUM/MINIMUM ENROLMENT

Registrations will be accepted in the order in which they are received. These courses fill rapidly and are strictly limited to a maximum attendance to facilitate productive interaction between participants and speakers. Amine Experts reserves the right to cancel the course in the unlikely event that fewer than 25 registrations are received by the deadline.