

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 "aha". 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

Amine Experts was created to provide the same problem solving capability as is provided by Sulphur Experts, upstream, specializing in troubleshooting amine and sour water systems. Our engineers provide third party consulting and analytical services around the world.

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



Sulphur Recovery Courses

Sulphur Experts, sister company to Amine Experts, also presents five day technical courses on Sulphur Recovery in the same locations immediately following the Amine Treating Courses.

Filtration/Separation Courses

Filtration Experts now presents training courses on all aspects of separation technology.

Full Information is available on our website www.AmineExperts.com and discounts are offered for attending additional courses.

Sulphur Experts International Inc.

Barbados Canada
USA Europe
web: www.SulphurExperts.com

Speakers



John Sames



Mike Sheilan



Ben Spooner



David Engel



Egbert van Hoorn

The Amine Experts course, covering all aspects of Amine Treating and Sour Water Stripping, has been widely acclaimed by the industry and follows the same format as the well known Sulphur Recovery course. The course is used extensively by operating companies in the gas treating industry at all levels.

2012 AMINE TREATING TECHNICAL TRAINING COURSES

- U.S.A. — KEMAH, TEXAS
April 23 - 27, 2012
- CANADA — KANANASKIS, ALBERTA
September 10 - 14, 2012
- EUROPE — BERNKASTEL, GERMANY
October 15 - 19, 2012
- ASIA — BANGKOK, THAILAND
November 19 - 23, 2012



"Leaders in Optimizing Amine Processes - Worldwide"

AMINE TREATING

2012

AMINE TREATING AND SOUR WATER TREATING TECHNICAL TRAINING COURSES



U.S.A.
2012

APRIL



CANADA
2012

SEPTEMBER



EUROPE
2012

OCTOBER



ASIA
2012

NOVEMBER



2012 Locations

For pricing and specific details, refer to webpage.



Kemah, Texas, USA
April 23 - 27, 2012



Commercial Shuttle bus is available from Houston airports.
Fees do not include accommodation at Kemah.



Kananaskis, Alberta, Canada
September 10 - 14, 2012



Commercial Shuttle bus is available from Calgary Int'l airport.
Fees do not include accommodation at Kananaskis.



Bernkastel, Germany, Europe
October 15 - 19, 2012



HOTEL MOSELPARK

Special private shuttle bus is available from Frankfurt airport
on Sunday evening and returning Friday afternoon.
Registration fee INCLUDES accommodation at Bernkastel.



Bangkok, Thailand, Asia
November 19 - 23, 2012

Please visit our website for details on
these locations.

Registration Details

Step by step procedure to ensure successful registration.




Step 1. Obtain approval to attend.

Step 2. Visit our web page at www.AmineExperts.com and select Training. Full details on each course are included here and links to Sulphur Courses are also available.

Step 3. Select your desired course location and appropriate fee schedule.

Step 4. Complete your on-line registration being careful to fill in all requested information.

Step 5. 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 6. If you cannot register on-line please contact us by fax or e-mail.

Step 7. Enquire if any colleagues from your facility would like to take advantage of the reduced Colleague Fee.

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 or fax once your registration is received. You will also receive full travel instructions well before course dates.

HOTEL:

Do not contact the hotel yourself - you will confuse them! Please allow us to make your hotel arrangements. We have a block of rooms set aside for registrants. It is important that you stay at the designated hotel to get the most out of this course.

Amine Topics

SESSION I FUNDAMENTAL & 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 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
- 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 Using Nomographs
- Energy Optimization
- Problem Solving Using an Amine Unit Simulator

SESSION V AMINE PLANT TROUBLESHOOTING AND OPTIMIZATION

- Sour Water Stripping - Design / Operation
- Environmental Issues

Fees & Discounts (See Web Page 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 immediate Company is attending the same course 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.

All enquires please contact: Training Coordinator

Tel: 1-403-215-8400

Fax: 1-403-215-8419

e-mail: seminars@sulphurexperts.com

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 the attendees, and optimization and more complex concepts are presented *later*. Questions/comments are encouraged to keep the presentations relevant to attendees' concerns. Scheduled breaks and the evening "Quiet Room" concept, provide ample opportunity to discuss plant specific problems in detail, meet other delegates, exchange operating experiences, and in many cases make lifelong contacts.

CHECK IN/OUT

Participants are encouraged to arrive on the day prior to the course. In several locations a reception will be held between 17:00 and 19:00 in the hotel. This will give everyone an opportunity to meet each other and the speakers. The course materials will be distributed. The course finishes at 12:30 on the Friday.

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 ENROLLMENT

Registrations will be accepted and acknowledged in the order in which they are received.

These courses fill rapidly and are strictly limited to a maximum attendance to ensure registrants get the most out of the presentations and have ample opportunity to interact with each other and the speakers.

Amine Experts reserves the right to cancel the course in the unlikely event that fewer than 25 registrations are received by the deadline.