

2017 Sulphur Recovery

Technical Training Courses

Who Should Attend?

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

Unit Supervisor:

"I learned the '7 Sins of Sulphur Recovery' and we are committing all of them!!"

Process Engineer:

"I learned more in one week than I learned in the year I've been on the job. There will be direct and immediate benefits for our plant as my analytical correlations will be easier to make and explain."

Board Operator:

"I learned how reheater temperatures can contribute to emissions and the consequences of not keeping the unit on cascade control."

Operations Engineer:

The process simulation exercise "was very valuable and would be an excellent tool to train operators on the cause and effects of process changes."

Control Engineer:

"I learned things that will allow us to experiment with a couple of different control strategies."

Project Engineer:

"This course will help us in the process selection and design of future developments of our sour gas fields in the Far East."

Environmental Engineer:

"The quiet room provides an excellent resource for getting plant specific questions answered. This course provides both industry contacts and ideas for improvements."

Operations Superintendent:

"25 years in Sulphur operations, and this is the first time I've understood several key technical topics."

Design Engineer:

"I will recommend that we modify our package plant designs to incorporate more valves to facilitate sampling."

Manager:

"For the first time in my 16 years of being around the SRU I feel I really understand how to manage the plants."

Sulphur Experts Inc. is the world-leader in sulphur recovery plant optimization. As implied by our name - we specialize in testing, troubleshooting and optimizing sulphur recovery processes and have an enviable track record spanning over 35 years.

Sulphur Experts' engineers and scientists are well-established as international authorities on the subject and have presented the Sulphur Recovery Technical Training Course around the world.

Our internationally-recognized courses have been presented more than 190 times and attended by over 9,000 engineers and operators. Course participants have represented hundreds of facilities, most of which have benefitted first-hand from our on-site testing and evaluation services. Our combination of technical expertise and extensive "hands-on" experience, ensures that our courses provide the relevant, practical support our clients demand.



Amine Experts, a division of Sulphur Experts, also presents five-day technical courses on amine treating. These courses are offered at the same locations the week prior to the Sulphur Recovery courses.



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

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

www.SulphurExperts.com

Speakers



John Sames



Gerald Bohme



Joe Brindle



Gerton Molenaar



Jan Kiebert

The Sulphur Experts presentation Team, has over 130 years of combined experience in sulphur recovery process engineering.

They have been involved in delivering specialized training on this subject going back to the early 1980's and provide unmatched insight into all aspects of process design, facility operation, troubleshooting and optimization.

2017 Course Schedule

USA	Kemah, Texas May 01 - 05, 2017
Canada	Kananaskis, Alberta September 18 - 22, 2017
Europe	Bernkastel-Kues, Germany October 23 - 27, 2017



"Leaders in Optimizing Sulphur Recovery Processes - Worldwide"

2017

Sulphur Recovery
Technical Training Courses

May 2017

Kemah Texas, USA

September 2017

Kananaskis Alberta, Canada

October 2017

Bernkastel-Kues, Germany



2017 Locations

USA **Kemah, Texas**
May 1 - 5, 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 18 - 22, 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 23 - 27, 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.SulphurExperts.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.

Sulphur Topics

SESSION I PROCESS/THE UNITS

- Basics of the Claus Process
- Reaction Furnace
- Reheaters & Catalytic Converters
- Sulphur Condensers

SESSION II DESIGN / OPERATIONS

- Upstream Operations (Amine)
- Design Considerations
- RF Protection
- Burner Operation
- Degasification & Sulphur Forming
- Start-ups & Shutdowns
- Controlling the Process

SESSION III TESTING / RECOVERY

- Testing & Test Methods
- Case Studies
- A group function will be arranged to allow attendees to recover from the hectic pace of this schedule

SESSION IV PROBLEM SOLVING / SIMULATION

- Plant Optimization
- Problem Solving (Process Simulation Exercise)

SESSION V TAIL GAS

- Tail Gas Clean-Up Process
- Oxygen Enrichment
- Energy Conservation

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 immediate Company 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 sulphur recovery from process selection, through operation and plant optimization. The seminar will include hands-on problem solving using computer software. Attendees are encouraged to bring their own plant operating data.

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. Several prominent industry experts will present relevant applications, experience, and technology. 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.

COURSE MATERIALS

Everyone will receive a comprehensive workbook that includes all slides used throughout the presentations. Additionally you will receive a set of the two industry recognized SRU texts:

- **Sulphur Recovery, by Paskall and Sames, and**
- **Capability of the Modified Claus Process, by Paskall.**

Both texts are the result of extensive process research and optimization and testing of modified-Claus plants throughout the world. These books are only available through these Sulphur courses.

MAXIMUM/MINIMUM ENROLMENT

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