



COKER ADVANCED PROCESS TRAINING

DESIGN, OPERATIONS AND TROUBLESHOOTING OF THE DELAYED COKER

As crude oils get heavier, refiners are looking for ways to increase the yield from the bottom of the barrel. They are turning to delayed coking and upgrading. This advanced course covers the design, operations and troubleshooting of the delayed coker. Attendees will have an opportunity to discuss specific individual issues during the course. This course runs concurrently with the Delayed Coker Fundamentals class.

WHAT YOU WILL LEARN

Day 1

- Introduction - Overview
- Basic Yields
- Furnace Fouling
- General Furnace Optimization
- Furnace Modeling
- De-Coking Heaters - Spalling/Pigging
- Coke Drum Operations
- Drum Cycle Times
- Drum Safety Issues
- Drum Cooling Issues
- Anti-Foam Best Practice

Day 2

- Slide Valves - Delta Valves
- Fractionation Overview
- Fractionator Best Practices
- Gas Oil Quality
- Naphtha Quality
- Flash Zone Design - Minimizing Recycle
- Sludge Injection
- Coke Cutting
- Coke Fines & Water Separation Systems
- Coke Handling
- Blow Down System
- General Trouble Shooting

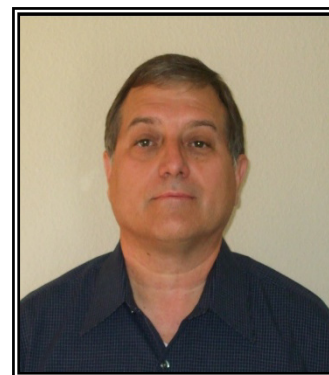
- Discussion on coke morphology and how to predict online
- Process Dynamics
- Heater Balance Methodology
- Fractionator Heat Removal and Control Schemes
- Gas Plant Operations and Control Schemes

YOUR INSTRUCTOR

Sim Romero With 30 years experience in delayed coking and heavy oils, Sim is a Principal Consultant for KBC Advanced Technologies.

Expertise includes simulating delayed coker operations, test run execution and analysis, delayed coker yields and furnace model development, unit optimization and reliability management, unit troubleshooting, unit start-up and general delayed coker operations.

Additionally, Sim has expertise in other heavy oil operations - crude & vacuum units, desalter operations, visbreakers, ROSE and solvent deasphalting units.



PREREQUISITES

Recommended for those with previous experience in design, process, operations or maintenance of delayed cokers. In general, attendees should come prepared to share what they want to learn prior to returning to their workplace.

COMPREHENSIVE TRAINING SCHEDULE

The schedule shows how your course fits in with the exhibition, discussion groups, workshops and other classes offered at this venue this week.

Galveston April 30 - May 4

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>Training</i>		<i>Conference (Seminar)</i>		
FCCU Operations Fundamentals	Coking & CatCracking Safety and Reliability Seminar			
Advanced Coker Process		Presentations	Presentations	Breakout Groups
Coker Fundamentals				
Pumps Basics		Breakout Groups	Demonstrations	
	Steam Fundamentals			
	Exhibition starts Tuesday at 5:00pm, ends Thursday at 7:00pm			
Sulfur Recovery and Claus Plants	Sulfur Optimization, Simulators, Tailgas and Engineering			

Revised January 24

HOTEL

Moody Gardens Hotel and Convention Center
7 Hope Boulevard
Galveston, TX 77554
Phone: 409.741.8484
Toll Free: 888.388.8484
web: www.MoodyGardensHotel.com

COURSE INFORMATION

April 30 – May 1, 2012
Classes start promptly at 8:00am and will finish at 5:00pm. The program includes lunch and coffee/cookie breaks. Attendees also receive a class manual that can serve as a valuable office reference. Dress is casual for all training.

PAYMENT AND CANCELLATIONS

Course Fee: Early \$1075 until March 26 ~ Regular \$1175.

Payment: Due prior to the start of the seminar by Visa, Master Card, American Express, wire transfer or corporate check. Training fees will be charged to your credit card at the time of registration unless other arrangements have been made. Make checks payable to "Coking.com Inc".

Refund Policy: Fees are fully refundable until April 9 (about three weeks before the event), after which a \$200 fee will be charged for cancellations. Registering for this course prior to April 9 will help maximize the probability that the course will proceed as planned. Cancellations after April 23 (1 week before class until 24 hours before class) are charged a 50% fee. All other cancellations and no-shows are non-refundable. Substitutions are allowed. All cancellations and transfers need to be submitted in writing, by email or by fax.

CONTACT US

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REGISTER

For a complete list of course see
website: www.Coking.com
More Training: www.RefiningCommunity.com
Register: www.Regonline.com/CokCatGalveston12

