

# TRAINING

## Delayed Coker Fundamentals, Coker Operations, and Reliability

This two day course will cover an introduction to the process, equipment, and operation of a delayed coker unit (DCU) in the refinery.

The coker is unique in the refinery world with a batch process and specialized solids removal (decoking) and handling equipment. All the unique aspects of the DCU will be covered with an in-depth review of the coker structure (coker island) operation and equipment. Special focus will be given to operator-based perspective on unit equipment and usage. Common safety and reliability concerns will be discussed at length.

### You will learn

History of the DCU, the second oldest in refining.

Explore the process flow and semi-batch sequence.

Introduction to the specific design and operation of specialized DCU equipment

- Steam purged valves
- Decoking equipment
- Heater fouling and decoking
- Fractionator (distillation) dynamics with batch operation
- Blowdown system

A special focus on real experiences in safety and reliability:

- Operator ownership of safety
- Common reliability issues with DCU equipment
- A review of major safety incidents over the past 20 years

### Who should attend

**Refinery staff** new (less than 1 year) to delayed coking. This includes operators, engineers, inspectors, or maintenance staff. Everyone associated with the unit should have a fundamental understanding of the unit and this course delivers just that.

**Vendor staff** who supply services or equipment to delayed coker units. Get to know how your unit fits into the overall scheme.

**Project staff** working on design projects. Designing a pump or tower takes on new meaning when you understand the process from an operations perspective.

**Prerequisites** Familiarity with delayed cokers.

#### Training Pass

Includes catered lunch and breaks.

Delayed Coker Fundamentals, Coker Operations, and Reliability November 2 – 6, 2020

Early  
Before 9/21

\$1,495

Standard

\$1,595

**REFCOMM**  
GALVESTON 2020

Moody Gardens Convention Center

Nov. 2 – 3, 2020

Training starts at 8:00am and finishes at 5:00pm both days. The program includes catered lunch and breaks. Attendees also receive a training manual that can serve as a valuable office reference. Dress code is casual.



Gary Pitman

Gary Pitman is a Co-Founder, President and Coker SME for Coking.com Inc. His roots run deep as an operator, maintenance technician and turnaround planner. Then he commissioned the Hovensa Coker in the Virgin Islands doing training then supervising their maintenance staff of 185. He has performed Coker Site Safety Audits in Asia, Europe, South America and North America and served as the subject matter expert for new product development for major manufacturers of delayed coking equipment. With his vast experience working with coker people close to the iron, "Mr. Coking.com" is in high demand for consulting on unheading, drilling, operations, design review, training and commissioning with his start-up team.



Ryan Schoel

Ryan has more than 20 years' experience in the refining industry, working his way up from Operator to Area Manager. He has worked extensively in the coker and sulfur units, focusing on training and reliability. While working on a commissioning and start-up of a new coker unit, Ryan supervised operators on emergency & start-up procedures, practiced switch deck procedures and trained operators on coke cutting equipment. As a Senior Consultant at Coking.com, Ryan will be bringing this experience into the field as well as the classroom.

## Join us for the rest of RefComm!

RefComm® is recognized as the premiere worldwide conference for Delayed Coking (DCU). RefComm® also includes Fluid Catalytic CatCracking (FCCU), Solvent Deasphalting (SDA), and Sulfur Recovery (SRU). When coping with Tier 3 regulations and leveraging existing assets with automation and the Industrial Internet of Things (IIoT), staff knowledge is easily overlooked. With operational excellence in mind, RefComm® caters to the operators in your units. The week starts with 2 days of training, followed by the technical conference and 100 exhibit booths with the latest technologies. Send your crews. Get them better equipped to run efficiently and safely with **More Production and Less Risk!**

### Conference and Exhibition

#### Refiner Price:

|  | Early<br>Before 9/21 | Standard |
|--|----------------------|----------|
| FCCU, SDA, SRU November 4 – 5, 2020      | \$970                | \$1,080  |
| DCU, FCCU, SDA, SRU November 4 – 6, 2020 | \$1,095              | \$1,195  |

#### Vendor Price:

|  |         |         |
|--|---------|---------|
| DCU, FCCU, SDA, SRU November 4 – 6, 2020 | \$1,095 | \$1,195 |
|--|---------|---------|

Please indicate your areas of interest: ☐ DCU ☐ FCCU ☐ SDA ☐ SRU ☐ Other

Conference pass includes catered breakfast, lunch, breaks, and cocktail receptions.

### Registrant Info and Payment

|  |   |           |
|--|---|-----------|
| Prefix   | First Name  | Last Name |
| Job Title  | Company   |           |
| Mailing address  | City  |           |
| State/Province   | Postal code   | Country   |
| Contact email  | Contact phone   |           |
| Signature  | Date  |           |
| Payment amount   | <input type="checkbox"/> Check <input type="checkbox"/> Wire Transfer <input type="checkbox"/> Mastercard <input type="checkbox"/> American Express <input type="checkbox"/> Visa |           |
| Email Address (RefComm Inc. will send the invoice to this email address) |   |           |

Payment is due prior to the start of the conference or training. Fees will be charged to your credit card at the time of registration unless other arrangements have been made. Make checks payable to "RefComm Inc".

### Refund and Cancellation Policy

Registering for this training course prior to 30 days will help maximize the probability that the course will proceed as planned. Fees are fully refundable until three weeks before the event, after which a \$200 USD fee will be charged for cancellations. Cancellations after 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. Submit all cancellations and transfers in writing, by email or by fax.

When making travel plans, please consider that classes may be cancelled at 30 days prior to the event due to low enrollment.

The initial purpose of collecting your contact data is to inform you of details relevant to your participation at RefComm®. We will also use the data to notify you of other conferences, tradeshow, training and consulting services.

**REFCOMM**  
GALVESTON 2020

Moody Gardens Convention Center

## Registration Form

Early registration ends  
September 21 2020

Send this page to:

**email** RefComm@  
RefiningCommunity.com

**phone** +1 (360) 966-7251

**mail**  
REFCOMM® Inc.  
800 Cranberry Woods Drive, Ste 220  
Cranberry Twp, PA 16066  
USA

Prices are in US Dollars

### Checklist

**Register early** to benefit from scheduled advertising and promotions.

**Send a separate form for each person** or register online at your convenience.

**Make checks payable to**  
"RefComm Inc."

**Bank Transfer**  
Please contact Marlea Stockenberg  
marlea@coking.com