

This two day course delves deeper into the delayed coker from a process, design, and troubleshooting perspective.

Because the participants are anticipated to have some experience working in a plant, the focus will be on exploring the nuances of various design choices from a process or equipment perspective. The course will explore the pro's and con's of a variety of solutions to common problems. Similarly, the troubleshooting will review typical scenarios and solutions that are encountered by operating DCUs.

### You will learn

- Common design considerations and comparison of various technology platforms
- Equipment failure modes and common reliability issues
- Process control strategies for optimization
- Heater fouling mechanisms and mitigation strategies
- Cracking reactions and feed property considerations
- Coke morphology causes and effects
- Review of major safety incidents over the past 20 years

The curriculum will be interactive based on group exercises and questions or concerns posed by the participants. Come prepared to get some options to consider for your plant. All of the experiences are based on real world examples from plants around the world with varying configurations or equipment types.

### Who should attend

**Refinery staff** experienced (1+ years) in delayed coking. This includes operators, engineers, inspectors, or maintenance staff.

**Experienced chemical or mechanical engineers** who are assigned to support a DCU.

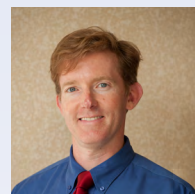
**Vendor staff** who want to understand how their equipment and possibility their competitors equipment is designed and utilized in the field.

**Project staff** working on design projects. Learn more about common issues and develop solutions for your clients before the equipment is operated.

**Prerequisites** Recommended for those with previous experience in design, process, operations or maintenance of delayed cokers.

11 – 12 Nov. 2019

Training starts at 0900 and finishes at 1700 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.



#### Evan Hyde

Evan Hyde is the Director of Field Services for Coking.com Inc. Formerly he was president of Telaxe, a coker consulting firm.

He previously was president of C2 Nano Technology where they researched surface treatments to combat fouling and corrosion issues in cokers and other petrochemical process units.

He was a Senior Engineering Advisor for Becht Engineering Co., Inc. New Jersey. He has consulted on processing improvement and reliability initiatives for coking clients around the world. He also participated in onsite peer assessments of Coker Units at eight refineries which included improvements in maintenance work practices, process enhancements, and turnaround scope optimization.

Prior to joining Becht, Evan worked for ExxonMobil Research and Engineering, as a process engineer, with assignments in research, and troubleshooting for heavy oil upgrading equipment. He holds a B.S. of Chemical Engineering from Pennsylvania State University.

#### Training Pass

Includes catered lunch and breaks.

Coker Process, Design, and Troubleshooting  
(Mon-Tue, 11 – 12 November 2019)

#### Price USD

\$1,000

#### Conference Pass Options

Conference pass includes catered lunch, breaks, and receptions.

Refiner Pass (Tue-Thu, 12 – 14 November 2019)

\$700

Vendor Pass (Tue-Thu, 12 – 14 November 2019)

\$1,380

	Monday	Tuesday	Wednesday	Thursday
Training	0900-1700	0900-1700		
Conference			0900-1700	0900-1700
Exhibiiton		1700-1800	0900-1800	0900-1600

## Registration Form

### Registrant Info and Payment

Prefix \_\_\_\_\_ First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
 Job Title \_\_\_\_\_ Company \_\_\_\_\_  
 Mailing address \_\_\_\_\_ City \_\_\_\_\_  
 State/Province \_\_\_\_\_ Postal code \_\_\_\_\_ Country \_\_\_\_\_  
 Registrant's email \_\_\_\_\_ Registrant's phone \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Payment amount \_\_\_\_\_ Check \_\_\_\_\_ Wire Transfer \_\_\_\_\_ Mastercard \_\_\_\_\_ American Express \_\_\_\_\_ Visa \_\_\_\_\_  
 Name on credit card \_\_\_\_\_ Card expiration date \_\_\_\_\_  
 Credit card number \_\_\_\_\_ Security code \_\_\_\_\_

Please indicate your area of interest in a percentage equaling 100%. For example DCU 70% OTHER 30% DCU \_\_\_\_\_ OTHER \_\_\_\_\_

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 "Coking.com Inc".

### Refund and Cancellation Policy

Registering for this training course prior to 14 October 2019 (four weeks in advance) will help maximize the probability that the course will proceed as planned. Fees are fully refundable until 21 October 2019 (three weeks before the event), after which a \$200 USD fee will be charged for cancellations. Cancellations after 4 November 2019 (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 4 weeks 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, tradeshows, training and consulting services.

Send this page to:

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 email RefComm@RefiningCommunity.com  
 mail Coking.com Inc  
 520 Fieldston Rd.  
 Bellingham, WA 98225  
 USA

Prices are in US Dollars

### Checklist

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

**Make checks payable to** "Coking.com Inc."

#### Bank Transfer

Please contact Marlea Stockenberg marlea@coking.com