

# FCCU OVERVIEW TRAINING

November 9, 2009 in Manama, Bahrain • April 12, 2010 in Houston, USA  
(Check these websites for [Coking.com](http://Coking.com) and [SulfurUnit.com](http://SulfurUnit.com) Training)

## FCC Training Topics

- Introduction to FCCU's
- Why FCCU
- An Overview (the equipment and its purpose)
- Heat Balance (the secret to understanding the FCCU)
- Pressure Balance (why the FCCU works)
- Incidents Review (an addition to PHA and Hazop)
- List of 25 Things to Watch on an FCCU
- Trouble-Shooting/ Problem solving



Small group, hands-on exercises

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## Instructor

**Ken Peccatiello** has over 32 years experience in FCC operations and technology including Director of FCC Technology for Valero Energy Corporation in San Antonio, TX and Chevron-Texaco FCC Expert (worldwide) providing:

- Troubleshooting/Problem-solving,
- Turnaround Support,
- Start-up and Shut-down support,
- Operational support and optimization,
- Best practice development and implementation,
- Project development and implementation,
- Training of personnel.



He also worked for WR Grace's Technical Service division and as Technical Superintendent at the Lake Charles, LA catalyst manufacturing facility.

Ken began his career with Amoco Oil in 1977 at the research facility in Naperville, IL where he was involved with multiple FCC studies and the development stages of FCC resid processing. He later became FCCU Operating/Process Engineer at the Amoco, Texas City, TX refinery. Ken holds a BSChE from The Illinois Institute of Technology.

The FCCU is one of the most flexible processing units in the refinery. The FCC can change operations from the production of large volumes of gasoline blending components (up to 70 volume percent of the pool), to the production of large volumes of diesel blending components (up to 40 volume percent of the pool). The FCCU also produces approximately 110 barrels of product for every 100 barrels of feed. With this range of demonstrated flexibility and volume expansion, the FCCU is one of the most valuable process units in the refinery.



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