

WHAT Is Covered?

- ▶ CST recovery technology and how to improve efficiency of recovery systems in batch and continuous digester systems
- ▶ Basics of CTO production in batch and continuous systems and yield improvement scenarios
- ▶ How To Improve Soap Recovery From Weak Liquor Tanks and Evaporator Systems
- ▶ Recovery economics for CST and Soap
- ▶ Safety, storage and logistics for Soap, CTO and CST
- ▶ Sampling, testing techniques and standards for Soap, CTO and CST

WHO Should Attend?

- ▶ Operators
- ▶ Process Engineers
- ▶ Pulp Mill Managers
- ▶ Recovery Superintendents
- ▶ Technical Superintendents

Co-Sponsored By:



WHY Attend?

- ▶ Increase Recovery yields and Mill revenue
- ▶ Improve pulp production and uniformity as a result of improved recovery
- ▶ Learn the basics of soap acidulation to CTO and how to improve yields
- ▶ Learn safety "best practices" from experts in the industry
- ▶ Get personalized answers to questions about your operations
- ▶ Learn expected yields from different systems

YOU Will Learn How To:

- ▶ Troubleshoot problems in recovery systems
- ▶ Increase recovery efficiency for Soap & CST and increase mill revenue
- ▶ Look for CST in areas you did not expect - a potential safety issue
- ▶ Improve safety

For more information
or to register for this course, please visit
www.pinechemicals.org

SHORT COURSE

ON
SOAP & TURPENTINE RECOVERY

AND

TALL OIL PROCESSING

5-7 December 2017

B HOTEL & RESORT ▶ ORLANDO, FLORIDA

- 💰 Increase Mill Revenue
- 🔧 Improve Overall Mill Operations
- 🔥 Improve Evaporator and Recovery Furnace operations
- ⊕ Enhance Mill Safety
- 🌊 Improve Effluent BOD
- 🔄 Maximize Recovery Yields (Soap, CTO, CST)

Presented By:

 **Pine Chemicals**
ASSOCIATION INTERNATIONAL

www.pinechemicals.org

The Pine Chemicals Association International in cooperation with TAPPI is pleased to offer the following Educational courses designed to Improve Mill Productivity.

TUESDAY 5 December 2017 - 8am-5pm SOAP AND CRUDE TALL OIL

- ▶ Rosin & Fatty Acids Markets
- ▶ What is Soap & Why Should It be Recovered
- ▶ Why is Soap Quality Important
- ▶ What is CTO & Why Should It Be Produced
- ▶ Acidulation Of BLSS - The Production of CTO
- ▶ Why is CTO Quality Important
- ▶ Spent Acid Disposal Options
- ▶ Loading and Transporting Soap/Crude Tall Oil
- ▶ Group Break Out Sessions
- ▶ Panel Discussion (Q&A)

WEDNESDAY 6 December 2017 - 8am-5pm TURPENTINE RECOVERY

- ▶ Turpentine Markets
- ▶ What is Turpentine & Why Should It Be Recovered
- ▶ Turpentine Recovery Basics - Batch & BHA Systems
- ▶ Turpentine Recovery Basics - Continuous & NCGs
- ▶ BHA Design, Operation & Recovery
- ▶ Foul Condensate Collection & Handling
- ▶ Loading and Transporting Turpentine
- ▶ Group Break Out Sessions
- ▶ Panel Discussion (Q&A)

THURSDAY 7 December 2017 - 8am-12pm TURPENTINE SAFETY

- ▶ Turpentine Related Industry Incidents In Recent Years
- ▶ NCG Gas Collection Design & Operation
- ▶ PSM System Design & Operation
- ▶ Inspection and Cleaning of Turpentine Contaminated Systems
- ▶ Looking For Turpentine In All The Wrong Places
- ▶ Panel Discussion (Q&A)

BREAK OUT Sessions

- ▶ Sampling & Testing Of Soap For Black Liquor Content
- ▶ Fragrance Demo - (Smell & Tell)
- ▶ Sampling & Testing BL For RCTO
- ▶ Let's Just Burn Soap - What Could Possibly Go Wrong?
- ▶ Snake Oils, Do They Work?
- ▶ Sniffing Turpentine Tanks, Don't Blow It!
-Dealing With Turpentine Emulsions
- ▶ Testing Softwood Chips For Turpentine & CTO Content
- ▶ Generic Mass Balance For Turpentine & Soap

REGISTRATION FEES

Pre-register by 15 October 2017 and save \$100

PCA Member

- ▶ Early Bird \$795
- ▶ After 15 October \$895

Non-Member

- ▶ Early Bird \$895
- ▶ After 15 October \$995

The course fee includes all breaks, breakfast on Wednesday & Thursday, reception on Tuesday & Wednesday, lunch on Wednesday and all course materials.

HOTEL RESERVATIONS

The course will be held at B Hotel & Resort in Orlando, FL. The location is accessible to Orlando International Airport (MCO). Hotel reservations can be made by calling 1-800-248-7890 or using the online link listed on our webpage. Rate is \$119 plus taxes. Rate valid until 13 November 2017.

Improving Soap & CST Recovery, and CTO processes will improve evaporator and recovery furnace efficiency, reduce effluent BOD and improve overall mill operations. This course reviews basic concepts, new technologies for recovery, and shows how improved recovery can positively impact pulp mill operations. Q&A sessions will allow specific mill problems to be addressed by our industry experts.