


***Course Co-Chairs**:*

*Professor Honghi Tran*
*University of Toronto*

*Dr. Andrew K. Jones*
*SHB Power Plant Engineering*

***Course Co-Sponsors**:*

*Steam & Power Committee*
*TAPPI's Engineering Division*

*Alkaline Pulping Committee*
*TAPPI's Pulp Manufacture Division*

# Course Schedule

**MONDAY, JANUARY 11, 2027**

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| **Session 1** | | **Introduction to the Course** |
| 8:00 | | **Honghi Tran,** University of Toronto, ON |
| 8:20 | | SAFETY IN PULP AND PAPER INDUSTRY - HOW TAPPI CAN HELP<br>**Leslie Petrie,** TAPPISAFE Ambassador consultant, Atlanta, GA |
| 8:30 | 1.1 | KRAFT RECOVERY PROCESS<br>**Jim Brewster**, Consultant, Sweetwater, TN<br>**Andrew Jones,** SHB Power Plant Engineering, Cincinnati, OH |
| **Session 2** | | **Recausticizing / Lime Reburning** |
| 9:00 | 2.1 | RECAUSTICING PRINCIPLES<br>**Thanh Trung,** FITNIR, A Voith Company, Vancouver, BC |
| 9:30 | 2.2 | RECAUSTICIZING PRACTICE<br>**John Johnson,** Valmet Partners, Trussville, AL |
| 9:50 | | *Morning Break* |
| 10:10 | 2.2 | RECAUSTICIZING PRACTICE (Cont'd)<br>**John Johnson,** Valmet Partners, Trussville, AL |
| 10:50 | 2.3 | CAUSTICIZING PLANT CONTROL AND OPTIMIZATION<br>**Thanh Trung,** FITNIR, A Voith Company, Vancouver, BC |
| 11:30 | | Team Conference |
| 11:50 | | *Lunch on Your Own* |
| 13:10 | 2.4 | LIME KILN PRINCIPLES<br>**Honghi Tran,** University of Toronto, ON |
| 13:40 | 2.5 | LIME KILN: EQUIPMENT AND MAINTENANCE<br>**Glenn Hanson,** Metso York, PA |
| 14:30 | | *Afternoon Break* |
| 14:50 | 2.6 | LIME KILN OPERATING ISSUES AND PREVENTION<br>**Honghi Tran,** University of Toronto, ON |
| 15:30 | | Recaust & Lime Kiln Operations Workshop |
| 16:30 | | Homework & Networking |
| 17:10-17:45 | | Reception |

**TUESDAY, JANUARY 12, 2027**

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| 8:00 | | Day 1 Homework Team Presentations |
| **Session 3** | | **Black Liquor Evaporation** |
| 8:30 | 3.1 | BROWNSTOCK WASHING PRINCIPLES AND OPERATION<br>**Jim Brewster**, Consultant, Sweetwater, TN |
| 9:10 | 3.2 | BLACK LIQUOR PROPERTIES<br>**Niko DeMartini,** University of Toronto, ON |
| 9:30 | 3.3 | EVAPORATOR PRINCIPLES & EQUIPMENT<br>**Jarmo Kaila,** Andritz Inc., Atlanta, GA |
| 9:50 | | *Morning Break* |
| 10:10 | 3.4 | EVAPORATOR TROUBLESHOOTING & OPTIMIZATION<br>**Jarmo Kaila,** Andritz Inc., Atlanta, GA |
| 10:50 | 3.5 | EVAPORATOR FOULING & BOIL-OUTS<br>**Niko DeMartini,** University of Toronto, ON |
| 11:30 | | TEAM CONFERENCE |
| 11:50 | | *Lunch on Your Own* |
| 13:10 | 3.6 | FOUL CONDENSATE STRIPPING<br>**Ann Plank,** Lundberg Jansen Technologies, Inc., Kirkland, WA |
| 13:50 | 3.7 | TALL OIL/BIO-PRODUCT RECOVERY<br>**Jarmo Kaila,** Andritz Inc., Atlanta, GA |
| 14:30 | | *Afternoon Break* |
| 14:50 | 3.8 | NON CONDENSIBLE GAS HANDLING<br>**Ann Plank**, Lundberg Jansen Technologies, Inc., Kirkland, WA |
| 15:30 | | Evaporator Operations Workshop |
| 16:30 - 17:15 | | Homework & Networking |

| WEDNESDAY, JANUARY 13, 2027 | | |
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| 8:00 | | Day 2 Homework Team Presentations |
| **Session 4** | | **Recovery Boilers** |
| 8:30 | 4.1 | RECOVERY BOILER EQUIPMENT AND ISSUES<br>**Jim Brewster**, Consultant, Sweetwater, TN |
| 9:10 | 4.2 | BLACK LIQUOR BURNING<br>**Honghi Tran,** University of Toronto, ON |
| 9:50 | | *Morning Break* |
| 10:10 | 4.3 | BLACK LIQUOR AND AIR DELIVERY<br>**Andrew Jones,** SHB Power Plant Engineering, Cincinnati, OH |
| 10:50 | 4.4 | DEPOSIT FORMATION, IMPACT AND CONTROL<br>**Danny Tandra,** Clyde Industries, Inc., Atlanta, GA |
| 11:30 | | Team Conference |
| 11:50 | | *Lunch on Your Own* |
| 13:10 | 4.5 | RECOVERY BOILER OPTIMIZATION<br>**Andrew Jones,** SHB Power Plant Engineering, Cincinnati, OH |
| 13:50 | 4.6 | RECOVERY BOILER INSPECTION<br>**Douglas Singbeil,** GreenTree Strategies, Vancouver, BC |
| 14:30 | | *Afternoon Break* |
| 14:50 | 4.7 | RECOVERY BOILER WATER TREATMENT<br>**Bob Bartholomew,** Sheppard T. Powell Associates, Baltimore, MD |
| 15:30 | | Recovery Boiler Operations Workshop |
| 16:30 - 17:15 | | Homework & Networking |

**THURSDAY, JANUARY 14, 2027**

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| 8:00 | | Day 3 Homework Team Presentations |
| **Session 5** | | **Recovery Process Issues** |
| 8:30 | 5.1 | RECOVERY AND UTILITY MANAGEMENT<br>**Jim Brewster**, Consultant, Sweetwater TN |
| 9:10 | 5.2 | DAMAGE MECHANISMS IN CHEMICAL RECOVERY EQUIPMENT<br>**Douglas Singbeil,** GreenTree Strategies, Vancouver, BC |
| 9:50 | | *Morning Break* |
| 10:10 | 5.3 | SAFETY HAZARDS IN THE RECOVERY CYCLE<br>**Andrew Jones,** SHB Power Plant Engineering, Cincinnati, OH |
| 10:50 | 5.4 | SOOTBLOWER OPERATION, MAINTENANCE AND OPTIMIZATION<br>**Danny Tandra,** Clyde Industries, Inc., Atlanta, GA |
| 11:30 | | Team Conference |
| 11:50 | | *Lunch on Your Own* |
| 13:10 | 5.5 | ELECTROSTATIC PRECIPITATORS – OPERATION AND OPTIMIZATION<br>**Ivan Sretenovic,** Process Barron, Toronto, ON |
| 13:50 | 5.6 | OPTIMIZING WATER USAGE IN THE CAUSTICIZING PLANT<br>**Sierra Boone**, Kadant Black Clawson LLC, Lebanon, OH |
| 14:30 | | *Afternoon Break* |
| 14:50 | 5.7 | NON-PROCESS ELEMENTS - ACCUMULATION, IMPACT AND CONTROL<br>**Honghi Tran**, University of Toronto, ON |
| 15:30 | | Recovery Process Workshop |
| 16:20 | | CONCLUDING REMARKS<br>**Honghi Tran,** University of Toronto, ON |