

2010 TAPPI Introduction to Tissue Manufacturing

August 11-12

Kennesaw, Georgia – Kemira Training Room

PRELIMINARY COURSE SCHEDULE

Wednesday, August 11, 2010

8:00 – 8:30	Welcome, Introductions, Course Objectives, Questionnaire Results Overview of Tissue Manufacturing
8:30 – 10:00	Tissue Properties <ul style="list-style-type: none">▪ Softness, Absorbancy, Fundamentals Affecting Properties▪ Structure of Tissue: Bulk, Fiber Orientation, Formation, Multi-Layer
10:00 – 10:15	Break
10:15 - 11:15	Effect of Pulp & Fiber Properties on Tissue Properties Recycled Pulps
11:15– 12:00	Stock Preparation Refining for Tissue
12:00 - 12:45	Lunch
12:45 – 2:00	Chemical Additives Used in Tissue <ul style="list-style-type: none">▪ Debonders, Softeners▪ Wet End Chemistry
2:00 - 2:45	Approach System, Basis Weight Control, Save All
2:45 – 3:00	Break
3:00 – 5:15	Headbox Operations <ul style="list-style-type: none">▪ Headbox Designs, Multi-Layering, Dilution Headboxes▪ Generation of Microturbulence▪ Slice Geometry, Profile Control

Thursday, August 12, 2010

7:30 – 8:00	Review and Q&A
8:00 – 9:30	Wet End Operations <ul style="list-style-type: none">▪ Twin Wire Gap Forming/Fourdrinier▪ Jet/Wire Velocity, MD/CD Orientation▪ Microturbulence and Formation▪ Foils, Forming Fabrics
9:30 - 10:00	Pressing Operations <ul style="list-style-type: none">▪ Fundamentals and Mechanisms▪ Wet Press Felts
10:00 – 10:30	Break and Networking
10:30 – 11:00	Through Air Drying (TAD) <ul style="list-style-type: none">▪ Fundamentals of Operation and Variables
11:00 – 1:30	Yankee Dryer & Hot Air Hood Operations <ul style="list-style-type: none">▪ Equipment Overview, Pressure Roll, Condensate Removal, Air Cap▪ Sheet Adhesion to Shell▪ Effects of Drying on Tissue Properties
12:15 – 1:00	Lunch
1:30 – 2:30	Creping <ul style="list-style-type: none">▪ Mechanisms and Variables▪ Effects on Tissue Properties
2:30 – 3:00	Calendering <ul style="list-style-type: none">▪ Purpose and Operations
3:00 – 3:30	Break
3:30 – 4:45	Converting <ul style="list-style-type: none">▪ Multiply, Embossing
4:45 – 5:00	Course Evaluation and Wrap Up