

Managing Pulp and Paper Process Variability

Your technical resource for improving Pulp and Paper process control performance

Topics covered include:

- Control loop fundamentals and terminology
- Function of the control loop
- Loop Dynamics
- Understanding Control Loop Performance
- Loop performance targets
- Analytical control loop troubleshooting procedures

The mill manufacturing team is mandated with improving operating efficiency and product quality. Optimizing control system performance is an attractive first step in achieving these goals since limited capital investment is required. The process control optimization team requires the long-term support and involvement of senior management. Knowledgeable and assertive management is required to ensure that the action items are implemented and that the economic benefits are quantified.

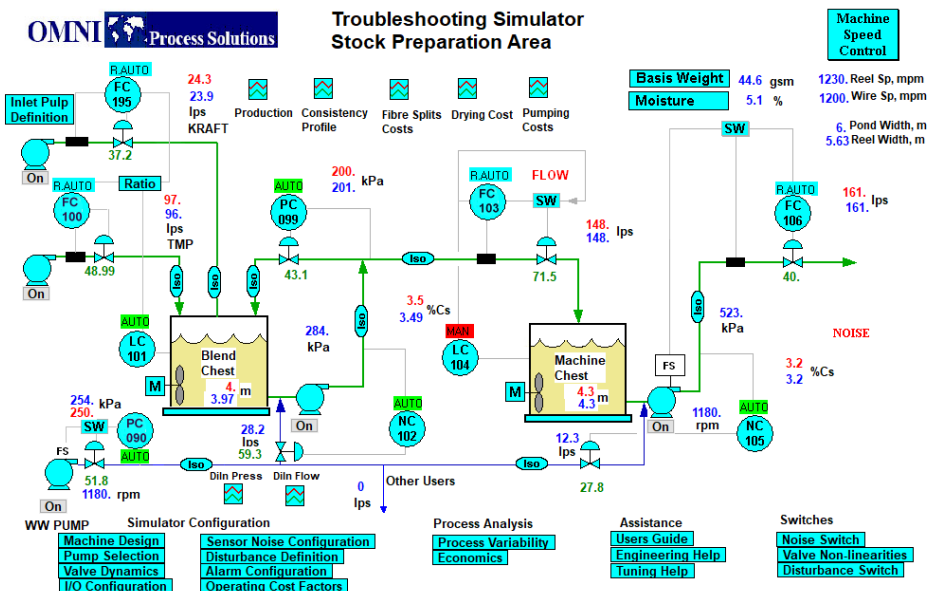
The objectives of this course are to increase the awareness of variability issues and to review the technical and organizational pathways to improvement.

Course Fees...

CDN	\$1000.00
USD	\$800.00

(Canadian Taxes Included.) Fees include a full set of course notes.

The course is limited to 10 participants to provide individual attention and allow our expert instructors to address specific attendee issues.



Course Schedule

Lecture 1 8:00 – 9:30	Process variability and Control Loop performance Measuring and characterizing variability Calculating the economic benefits of reduced variability Building a successful optimization team Managing Variability - Technical and organizational issues, Eliminating roadblocks to improvement
Demo / lab 9:30 – 10:00	Measuring the cost of product variability
Lecture 2 10:00 – 11:00	The role of the Control Loop Control Loop Basics Measuring control loop performance Performance Targets What can go wrong?
Lecture 3 11:00 - 12:00	Managing Control Loop Performance Roadmap for Achieving/sustaining low variability Assembling an optimization team Optimization tools
Lunch Break	
Demo / lab 13:30- 14:00	Control Loop Performance and variability
Lecture 4 14:00 –14:30	The role of process mixing Mixing performance targets / impact on variability Factors that affect mixing performance
Demo / Lab 14:30-15:00	Impact of stock chest mixing / agitation on process variability
Lecture 5 15:00 –16:00	Measuring the cost of process variability Production benefits Maintenance benefits
Demo / Lab 16:00-16:30	Benefits of reduced variability
Wrap-Up and Discussion 4:30 – 5:00	

Course Location...

The course is being held at a conference facility. Attendees are responsible for arranging their own accommodations.

Accommodations...

For convenience, we recommend that registrants stay at the hotel course site.

About the Course ...

The course begins with a process variability overview and the management team's key role in achieving and sustaining a low variability operation.

Optimizing control performance and process mixing are highlighted as important pathways to reducing variability. Measuring the real cost of variability and the value of a variability management program is the final topic.

Approximately 30% of the course is devoted to a computer-based lab.

Who Should Attend...

The course is designed for operations management who want to improve their ability to manage process variability. The course focuses on the economic benefits of reduced variability and identifying where resources need to be allocated. The multi-disciplinary approach to managing variability on an on-going basis is stressed.

Instructors Include...

Doug Nelson has over 30 years of industrial process control experience. He has extensive experience in process control training of operators, E/I techs, process control engineers and managers.

About Omni Process Solutions

Omni Process Solutions, a division of Omni Continental, is based in Vancouver, BC. The company conducts process and control optimization surveys and provides a range of training courses related to process control optimization. Visit our web sites at www.omniprocesssolutions.com for more information about our services.