

HOW TO REGISTER

Registration Forms can be downloaded from the PACWEST website: www.pacwestcon.net

Please forward completed form together with your payment to:

PACWEST CONFERENCE
938 Belvedere Drive
North Vancouver, BC V7R 2C1

ACCOMMODATION

Please complete the Accommodation Section on the PACWEST registration form

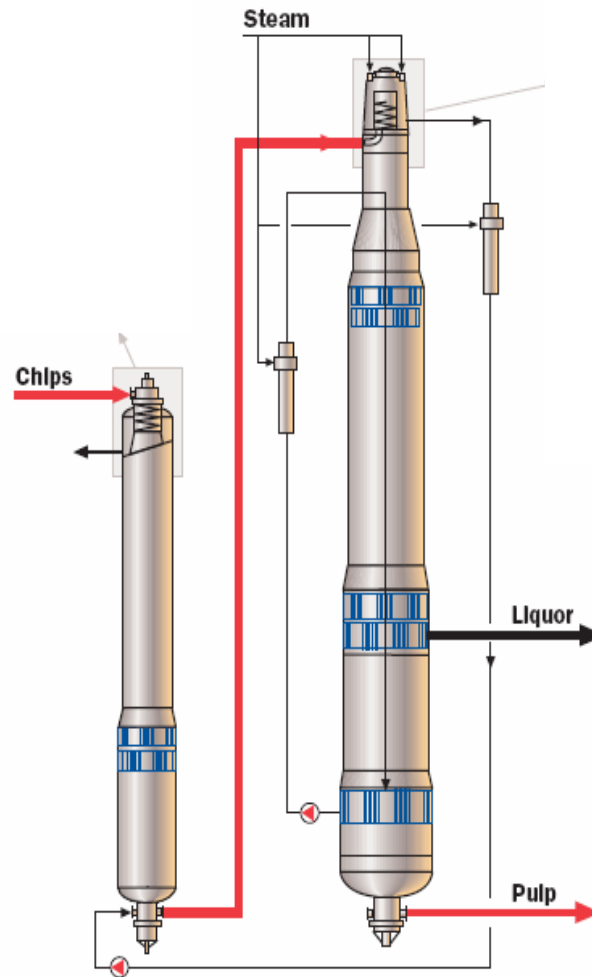
CANCELLATION POLICY

Each course is based on a minimum attendance. In the event that this minimum is not reached, PACWEST and Metso Paper reserve the right to cancel, postpone or amend the course accordingly. In the event that PACWEST or Metso Paper should cancel the course, all registration fees would be refunded. PACWEST and Metso Paper's liability is limited solely to the refund of the registration fee.

ADDITIONAL INFORMATION

For further information on the Course, please contact:
John Ignac at john.ignac@metso.com

For further information on registration and accommodation please contact:
Mary Barnes at 604-988-9829 barnesmm@shaw.ca



is pleased to sponsor a one-day
Short Course in association with the
PACWEST Conference



Delta Sun Peaks Resort
Kamloops, BC

JUNE 10-13 2009

Continuous Cooking
Principals and Practices

WEDNESDAY JUNE 10, 2009



WHAT YOU WILL LEARN

This is an interactive course structure covering a wide range of topics related to continuous cooking. Basic design considerations and principals of pulping will be followed by application of those parameters to practical mill operational and trouble shooting issues.

The course will enhance the basic knowledge and skills of the operating and technical personnel and provide practical approaches to help address common operating issues targeted to Western Canada and the Pacific Northwest area. Additionally the course will help the attendees better understand how digester and feeding systems are designed and what must be addressed when capacity becomes an issue. The course will conclude with a roundtable forum where real life issues will be addressed.

A G E N D A

8:30am to 12:00pm

Differences in Continuous Digester Designs

- Circumstances under which the following 4 digester designs should be utilized; Single vessel hydraulic, two vessel hydraulic, two vessel steam liquor phase and single vessel steam liquor phase.

Basic Principles of Pulping

- A discussion covering the relation between alkali charge, temperature and time for different wood species. The meaning of terms such as alkali charge, liquor to wood ratio and wash factor will be explained.

Application of Pulping Principals in Continuous Cooking

- How the key pulping principals are utilized to achieve maximum benefit in terms of pulp quality, yield, washing efficiency and other key operating parameters.
- Continuous Digester Dimensioning
 - Discussion of the criteria used to calculate the size and speed of equipment in the feeding line as well as retention times for chip impregnation, digester and washing zones.

12:00pm to 1:00pm - LUNCH

1:00pm to 4:30pm

- Trouble shooting a continuous digester
 - Typical symptoms / indications.
 - Identifying the core problem, i.e. make sure you solve the right problem!
- Capacity increase
 - Feeding line. Describe how to trim the existing equipment and how a capacity increase with 150 – 200 % can be made without replacing the HP-feeder.
 - Heating. The heating will eventually become an issue and have an impact on both runnability and pulp quality. This discussion will explain where the limits are and what to do in order to reduce the negative impacts.
 - Extraction. Liquor extraction is always an issue. A discussion and explanation of what sets the limits for extraction and how the capacity can be increased.
- Round Table Discussion
 - Application of these short course principals to real life mill examples

COURSE INSTRUCTORS

Anders Hjort

Has over 25 years world-wide experience in the pulp and paper industry. His background includes both manufacturing and supplier roles dealing with continuous cooking, instrumentation, operations and retrofits.

Kevin McCanty

Has over 20 years experience in the pulp paper industry. He has held various positions in engineering, project management, production and supplier capacities. His experience covers continuous cooking, brown stock and bleaching systems.

WHO SHOULD ATTEND

- Pulp and paper employees and contractors with an interest in Continuous Cooking:
 - Pulp Mill Managers
 - Engineering Managers
 - Project Engineers
 - Process Engineers
 - Pulp Mill Operators
 - Etc.

COURSE COST

\$100 PACWEST registered delegates
\$200 for non-delegates