

# LUMBER QUALITY & PROCESS CONTROL

September 27-28, 2010

# LUMBER QUALITY LEADERSHIP

September 29-30, 2010



**Oregon State  
University**

*Program Presented By:  
Lumber Quality Institute  
and  
Wood Science & Engineering Department,  
Oregon State University*

## WORKSHOP LEADER

**TERRY BROWN**, Director of the Lumber Quality Institute, is the recognized industry expert in the lumber quality control field. He brings to this workshop more than 35 years of experience in helping sawmill personnel solve quality and production-related problems. He is known for his practical and down-to-earth teaching style that communicates to personnel at all levels.

Terry is the editor/author of the book *Quality Control in Lumber Manufacturing* and has conducted quality control training programs for sawmill personnel in North America and around the world.

# LUMBER QUALITY & PROCESS CONTROL...

## Invest in the future

There is no better investment you can make for the long-term health of your mill than to increase the quality and process control skills of your people.

These programs have earned the reputation for providing practical, mill-tested information that has been applied by producers to make millions of dollars in increased revenues. Most companies who send personnel to these training programs do so year after year. Managers look to them as effective tools for educating supervisors from all areas of the sawmill.

## Who should attend

*Quality Control Supervisors & Technicians  
Production Supervisors  
Filing & Maintenance Personnel  
Process Control Technicians  
Key Operators*

## Workshop objectives

1. Insure that production and quality control is in balance so that both recovery and production increase.
2. Recognize and eliminate costly mistakes that rob a company of its maximum profitability.
3. Fine tune or improve an existing quality and process control program.
4. Understand how changes in kerf, target, price, wane allowance, etc. interact to influence profitability.
5. Maintain an effective lumber size-control program.
6. Learn about new developments in automated size control.
7. Maintain an effective lumber drying program focused on reducing moisture variability and drying degrade.

## MONDAY, SEPTEMBER 27

### 8:00 Quality Essentials

Identify the critical areas for Q.C. success.  
Terry Brown

### 9:00 A \$100,000+ Opportunity

This visual tour from woods to shipping will show how your mill can gain more than \$100,000.  
Terry Brown

### 11:00 Achieving Quality Results

Learn about Roseburg's overall QC program and how real-time size control benefits the program.

*Dave Reader, Quality Control Supervisor,  
Roseburg Forest Products., Dillard, OR*

### 12:00 Lunch

#### 1:15 Introduction to SOP's

Learn the concepts of setting up and implementing Standard Operating Procedures.  
Terry Brown

#### 2:15 Question/Answer Session

Solving real-world Q.C. problems.

#### 3:15 Productivity & Motivation

Being motivated and productive makes your job enjoyable and your company profitable. Learn techniques that will make a big difference!

Terry Brown

#### 4:30 Adjourn

# LUMBER QUALITY LEADERSHIP...

This program describes new concepts in quality control and management. Attendees will have the opportunity to go beyond the basics and focus on concepts and ideas that will propel their QC programs to achieve consistent solid results.

## What to expect

There are several key activities that must be accomplished for a Lumber QC program to be successful: managing the quality function, involving employees in problem solving, and finding long-term solutions to problems. Each of these activities support a QC program's basic goal of meeting customer requirements while maximizing the value, recovery, and lumber production. Attendees will have an opportunity to work with topics that address these key activities. All topics will be taught by Terry Brown unless otherwise noted.

## WEDNESDAY, SEPTEMBER 29

### 8:00 Effective Quality Management

Understand some of the key factors necessary to manage a dynamic lumber QC program that has flexibility yet gets results.  
Terry Brown

### 9:00 Quality Problem Solving

Learn not only about problem solving tools, but how to recognize basic problem types and how to solve them.  
Terry Brown

### 11:45 Lunch

#### 1:15 Effective Leadership

Learn about the leadership development program at Tillamook Lumber Co.  
*Mark Elston, Plant Manager  
Hampton Affiliates  
Tillamook, OR*

#### 3:45 Ten Greatest Mistakes in Quality Control

Learn what keeps lumber quality control programs from achieving true excellence.  
Terry Brown

#### 4:30 Adjourn

# ... SEPT. 27-28, 2010

## TUESDAY, SEPTEMBER 28

- 8:00 Effective Lumber Size-Control**  
Understand the concepts of effective size control (what all those numbers mean) and how to get the most value from your program.  
Terry Brown
- 10:00 Evaluating Dollar Impacts of Size Control**  
Here is a real world look at the impacts of kerf, target size, and wane reductions on value based on the MaxiView optimizing software program, and also an OSU study.  
Terry Brown
- 12:00 Lunch**
- 1:00 Real Time Size Control**  
Learn about two of the mill-wide real-time lumber size monitoring programs that are being installed in mills today.  
**SiCam RealTime System - Todd Buchanan, Partner SiCam Systems Corporation Surry, BC Canada**  
**SizeCheck Automatic Lumber Monitoring - Earl Barker, President, EB Associates, Inc., Enumclaw, WA**
- 2:30 Question/Answer Session - Solving real-world Q.C. problems.\***
- 3:15 Lumber Drying Quality Control**  
More money is lost because of drying mistakes than almost any other single factor. Learn how to make your drying program one of the best.  
Dean Huber,  
Huber & Associates  
Palouse, WA
- 4:30 Adjourn**

# ... SEPT. 29-30, 2010

## THURSDAY, SEPTEMBER 30

- 8:00 Managing Change Effectively**  
Learn how to identify and use changing frames of reference in the work environment to be more effective in your job.
- 10:00 "Win As Much As You Can"**  
This exercise, which actively involves all participants, is a vivid example of the effect of competition on the bottom line.\*
- 10:45 Understand Sawmill Business Metrics**  
Learn about the key business metrics that make a sawmill profitable or unprofitable.\*
- 11:45 Lunch**
- 1:00 Statistical Process Control**  
Learn the basic concepts of SPC relating to lumber production  
Scott Leavengood, Director  
Oregon Wood Innovation Center, OSU  
Corvallis, OR
- 2:00 Communications Styles**  
This powerful exercise provides attendees with a vivid example of why some communications styles work and others don't in the everyday experiences of working in a sawmill.\*
- 3:45 Present Certificates & Adjourn**

\*Terry Brown, Speaker/Leader

## REGISTRATION FORM

(please check which workshop you want to attend)

- LUMBER QUALITY & PROCESS CONTROL • Sept. 27-28, 2010 •**  
 **LUMBER QUALITY LEADERSHIP • Sept. 29-30, 2010 •**

**\$695**  
**\$850**

Name \_\_\_\_\_

Organization \_\_\_\_\_

Organization Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Payment:  Check enclosed

Make check payable to: (In U.S. dollars, please) OSU College of Forestry

Charge to:  Visa  Mastercard  Discover

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Mail to: OSU Conference Services: Lumber Quality Institute Workshop 2010 • Oregon State University • 200 LaSells Stewart Center • Corvallis OR 97331-3101 • Fax: 541-737-9315 •

Or register online at <http://oregonstate.edu/conferences/event/lumberquality2010/>

### REGISTRATION

The fee includes all course materials and refreshments throughout the day(s). To enroll in these courses, (1) return the attached registration form with the fee as soon as possible, or (2) contact

Conference Services at 1-800-678-6311 or (541) 737-9300, or (3) register online at: <http://oregonstate.edu/conferences/lumberquality2008/>

### CANCELLATIONS

Cancellation requests need to be made in writing no later than September 17, 2010. Requests made on or before September 15, 2008 will receive a full refund of their registration (minus a \$65 administrative fee). Refunds will not be granted for cancellation requests made after September 17, 2010 (Substitutions may be allowed and special considerations may apply).

The College of Forestry reserves the right to cancel courses due to low enrollment.

### FOR FURTHER INFORMATION:

OSU Conference Services  
Oregon State University, 200 LaSells Stewart Center, Corvallis, OR 97331-3101



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*Oregon State University  
Corvallis, Oregon*

*Terry Brown  
Workshop Leader*

