Workshop Background

This workshop is packed with valuable and important information for kiln operators and managers. The variety and quality of the information make this a must attend event. The workshop will focus on drying systems, controlling lumber quality, species specific drying, wood structure and drying science. Over twenty breakout topics will be covered to help you maintain a successful kiln operation.

This fast-paced workshop will include several lab exercises to apply concepts taught in the classroom.

Who Should Attend?

Kiln Operators, Purchasers, Sales Representatives, Production Supervisors, Plant Managers and others who deal with wood moisture related issues

Location

Northcentral Technical College Antigo Campus Wood Technology Center of Excellence 312 Forrest Avenue, Antigo, Wis., 54409

Agenda

Monday, August 7 Wood Structure & Drying Science

- 8:00 a.m. 5:00 p.m.
- The Drying Operation
- Structure of Wood as it Relates to Drying
- Determining the Moisture Content of Wood
- The Use of Kiln Samples
- Wood-Moisture Relations and Shrinkage
- Relationship Between Relative Humidity, Temperature and Equilibrium Moisture Content of Wood
- Kiln Operation Exercise

Tuesday, August 8 Drying Systems

- Drying Stresses and Defects
- Kiln Schedules: Development, Modification and Use
- Equalizing and Conditioning Treatments
- Causes and Control of Sticker, Fungal and Chemical Stain in Lumber Drying
- Lumber Stacking, Air Drying, Shed Drying and Predrying
- Effects of Air Velocity on Drying
- Kiln Operation Exercise
- Small Scale Dehumidification and Solar Drying

Wednesday, August 9 **Controlling Lumber Quality**

- Drying Maple and Other White Woods
- Drying Mixed Species
- Drying Trends: Kiln Size, Lumber Quality and Customer Demands
- The Effective Use of Moisture Meters
- Dry Kiln Instrumentation and Control
- Kiln Buildings and Equipment
- Kiln Operation Exercise

Thursday, August 10

Species Specific Quality Drying

Boiler Basics

- Proper Boiler Maintenance
- Final Kiln Operation Exercise
- Wrap-up and Presentation of Certificates

Speaker Lineup

Travis Allen Instructor, Wood Technology Northcentral Technical College	Bob Pope Senior Account Manager, USNR	
Ed Greene Senior Control Specialist SII Dry Kilns	Dr. Scott Bowe Professor, Wood Products Specialist University of Wisconsin-Madison Collin Buntrock Forest Product Services Specialist WI Dept. of Natural Resources	
Mike Stewart Boiler Specialist Johnson Controls		

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Last Name

First Name

Middle Initial

Registration Form

Race/Ethnicity: Social Security Number

American Indian

Asian,

Black, not Hispanic,

Hispanic

White,not Hispanic,

Native Hawaiian/other Pacific Islander

Student ID Numbe

Mail registration form with payment to: Northcentral Technical College, Attn: Continuing Education, 1000 W. Campus Drive, Wausau, WI 54401

8:00 a.m. - 5:00 p.m.

8:00 a.m. - 5:00 p.m.

8:00 am - 12:00 p.m.

Registration Information

\$450 for Great Lakes Kiln Drying Association Members \$500 for Non-Members



Fees include workshop materials, light morning refreshments and a group dinner on Tuesday evening.

How to Register

Mail	Online	Phone
Send check	www.ntc.edu/ce/	715.675.3331,
with completed	conferences	option 1
registration form to:		Toll free
Northcentral		888.682.7144,
Technical College		F.+. 5061
Attn: Registration		Ext. 5861.
1000 W. Campus Drive		
Wausau, WI 54401		

For More Information

Contact Continuing Education at 715.803.1965 or 888.682.7144, Ext.1965 or ce@ntc.edu

Hotel Information

Super 8 Hotel 715.623.4188 535 Century Avenue, Antigo

A room with two queen beds and light housekeeping services during the week. A full breakfast consisting of cereal, breakfast sandwiches, oatmeal and pastries is provided.

Holiday Inn Express 715.627.7500 2407 Neva Road, Antigo A full hot breakfast plus cereal, fruits and pastries is provided.



1000 W. Campus Dr. Wausau, WI 5440

Kiln Drying NTC Antigo Campus August 7 - 10, 2017

RETURN SERVICE REQUESTED



Kiln Drying

August 7 - 10, 2017

Drying Quality Lumber

Short Course

Northcentral

ECHNICAL COLLEGE





Presented by Northcentral Technical College and the Great Lakes Kiln Drying Association

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