



Kiln Drying Workshop



Kiln Drying Workshop January 10-13, 2005 SUNY College of Environmental Science and Forestry

Click here for [Meeting Brochure](#)
Hurry! \$395 prior to December 23rd!

For information contact ESF Outreach at (315) 470-6817, email: mwakefield@esf.edu or call William Smith (315) 470-6832, email wbsmith@esf.edu.

Agenda: (Registration includes: dinner on Monday, lunch on Tuesday, Wednesday, Thursday, break refreshments and parking at Irving parking garage, drying textbooks and workshop materials)

Day	Time	Activity	Location
Monday January 10	11:30 - 12:30	Registration	Baker Lobby
	11:30 - 5:00	Wood Fundamentals	Room 139, Baker Hall
	5:00	Group Banquet	TBA
Tuesday January 11	8:00	Continental Breakfast	Room 139, Baker Hall
	8:15-5:00	Managing Drying Operations	
	5:00	Dinner on your own	
Wednesday January 12	8:00	Continental Breakfast	
	8:15-5:00	Dry Kiln Operation and Maintenance	Room 139, Baker Hall
	5:00	Dinner on your own	
Thursday January 13	8:00	Continental Breakfast	
	8:15-3:30	Lumber Quality	Room 139, Baker Hall
	3:30	Course Concludes	



ESF Outreach
SUNY College of Environmental Science & Forestry
Syracuse, New York 13210-2784

ESF OUTREACH
SUNY College of Environmental
Science & Forestry

Kiln Drying Workshop: *Drying Quality Lumber for Profit*



January 10 - 13, 2005
SUNY-ESF
Syracuse, NY

Sponsored By

State University of New York
College of Environmental Science and Forestry
Faculty of Construction Management
and Wood Products Engineering
Wood Utilization Service
New York Center for Forestry
Research and Development

In cooperation with

New England Kiln Drying Association

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Kiln Drying Workshop

This course will provide practical knowledge about how wood is effectively kiln dried, and scientific background on related wood properties and drying processes. It will have value for novice as well as experienced kiln operators, and sales, purchasing, marketing and manufacturing managers. Instruction, by university professors and various industry experts, will be in the classroom and through hands-on lab exercises using our modern kiln.

Instructors:

Dr. Bill Smith, Wood Products Engineering, SUNY-ESF
Dr. Bob Meyer, Wood Products Engineering, SUNY-ESF
Dean Huber, USDA Forest Service
Peter Garrahan, Forintek, Canada and
Additional Industry Drying Experts

Preliminary Program Topics

Monday, January 10 11:30 AM - 5:00 PM

~ Lunch is on your own ~

11:30-12:30pm Registration in Baker Lobby

Wood Fundamentals, Room 139, Baker Hall

11:30 - 5:00 pm

Wood-Water Relations
Wood Structure and Anatomy
Moisture Determination
Wood Shrinkage
Drying Degrade
Lab exercise – kiln operation

5:00 pm Group Banquet

Kiln Drying Workshop: Drying Quality Lumber for Profit

Tuesday, January 11 8:15 AM - 5:00 PM

Managing Drying Operations

8:00am Continental breakfast
Managing Drying Operations Air and Predrying
Kiln Instrumentation Controlling Kiln
Operation Kiln Schedules; Use and
Modification

12:00pm Lunch in Room 184, Baker Hall
Steam Basics and Utilization
Steam Kilns
Dehumidification Kilns
Vacuum Kilns
Lab exercise – kiln operation

5:00pm *Dinner on your own*

Wednesday, January 12 8:15 AM - 5:00 PM

Dry Kiln Operation and Maintenance

8:00am Continental breakfast
Equilization and Conditioning
Kiln Operation and Maintenance
Drying Maple and White Woods
Drying Oak
Air velocity
Kiln Buildings and Maintenance

12:00pm Lunch in Rm 184, Baker Hall
Lumber Stacking
Kiln Loading
Moisture meters
Lab exercise – kiln operation

5:00pm *Dinner on your own*

Thursday, January 13 8:15 - 3:30 PM

Lumber Quality

8:00am Continental breakfast
Maximizing Lumber Quality
Preventing stain and discoloration
Control of warp
Checking, splitting, honeycomb

12:00pm Lunch in Room 184, Baker Hall
Lumber Storage
Redrying Wetted Lumber
Lab exercise - kiln operation
Open discussion, Questions

3:30pm **Course concludes**

Lodging: A block of rooms is reserved at the Marx Hotel and Conference Center, 701 E. Genesee St., Syracuse. To reserve a room at a special rate of \$76 per night, call 877-843-6279 and mention the Kiln Drying workshop.

A second block of rooms are held at the Genesee Inn, 1060 E. Genesee St., Syracuse, 315-476-4212 at a rate of \$89 per night with a cut off date of December 31, 2004 when you mention the Kiln Drying workshop.

Rooms are available at the Sheraton University Hotel, 801 University Ave. within walking distance. The room rate is \$ 108 for a single/\$ 118 for a double per night. Call 315-475-3000 and ask for the Kiln Drying Workshop rate.

To Register: *Please preregister!* Simply fill out and mail the attached registration form with your registration fee. You may register by fax to (315) 470-6890.

Workshop Fees: Registrations postmarked by December 23 are \$395. If postmarked after December 23, the fee is \$450. The workshop fee includes dinner on Monday, lunch on Tuesday, Wednesday and Thursday, break refreshments, parking at Irving Garage and drying textbooks and workshop materials. *Fees are payable to SUNY Research Foundation. VISA or MasterCard - no American Express.*

Refunds: Participants who wish to cancel must give **written notice** two weeks prior to the event date to receive a refund minus an administrative fee of \$25. Cancellations **cannot** be taken by phone. Substitutions are permissible any time. SUNY-ESF reserves the right to cancel a program in the event of insufficient registrations. A full refund will be given if a program is cancelled due to insufficient registrations.

Questions? Call ESF Outreach (315) 470-6817 or visit us on the web: www.esf.edu/outreach/pd/workshops.htm

Hurry! Space is limited!

Registration Form

Kiln Drying Workshop Drying Quality Lumber for Profit

Please **PRINT** clearly

Name _____

Organization _____

Address _____

City _____ State ____ Zip _____

Phone (____) _____ Fax (____) _____

email: _____

Dietary or special needs: _____

Register me for the Kiln Drying Workshop on January 10-13, 2005. Enclosed is my workshop fee, payable to *SUNY-ESF Research Foundation*.

Fees:

- postmarked** by December 23: \$395
- postmarked** after December 23: \$450

Credit Card Payment: **no American Express**

VISA Mastercard

Expiration Date: _____

Account Number: _____

Signature: _____

Mail form to: ESF Outreach
SUNY College of Environmental Science & Forestry
Syracuse, NY 13210-2784

FAX: 315-470-6890

We must receive both registration information and payment to confirm a reservation. Registrations received less than 10 days before the scheduled event will not be confirmed. Check your calendar carefully before registering, as we cannot refund cancelled registrations. SUNY ESF reserves the right to cancel a program due to insufficient enrollment and in such cases a full refund will be given.