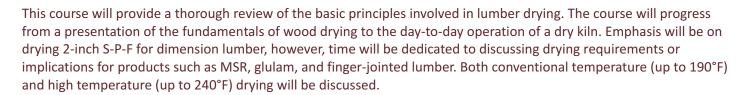
Spruce-Pine-Fir Kiln Operator Course

Quality Drying of S-P-F for Dimension Lumber and Other **End Uses Conventional & High-Temperature**



Who Should Attend?

The course is designed for new or experienced kiln operators, quality control personnel, and their immediate supervisors. It is also open to anyone else who feels they would benefit from a better understanding of the factors that affect a drying operations productivity and profitability.

Course Instructors

- Peter Garrahan, well known expert wood drying scientist with over 30 years of experience in industrial drying systems and wood drying research. Peter is a regular instructor with kiln operator courses in various regions of Eastern Canada.
- Marc Savard, FPInnovations, well known expert wood drying scientist with over 20 years' experience in research and testing on the drying of Eastern S-P-F. Marc regularly presents seminars and workshops on lumber drying.

Registration Fee - \$1,570.00 (Plus HST) (Estimated course fee)

Includes instructional material, Kiln Operator's Manual for Eastern Canada, handouts, daily refreshment breaks and lunch.

Course enrolment is limited to 25 students.

The full registration fee must be received prior to the course to guarantee your seat. Full refund if you cancel prior to 15 days before the course start date. Late cancellations will be subject to a \$100 cancellation fee unless course becomes filled or registration is transferred to another individual from the same company.

The organizers reserve the right to cancel the course failing sufficient enrolment. In the event of course cancellation, all registration fees will be returned in full.

> Register by completing the attached form by November 16th, 2015. First come, first served basis.

For information, please contact:

Peter Robichaud

(O) 902 897-6961 • (C) 902 899-6420 probichaud@cwfcof.org

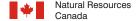
Barry Tupper

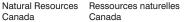
(O) 902-681-6882 • (C) 902-300-3569 barry.tupper@fpinnovations.ca















COURSE DESCRIPTION

Day 1

- Wood anatomy related to drying
- · Wood moisture relations
- Role of relative humidity, temperature, and air flow in drying
- Defining moisture content and oven-dry test procedures
- Wet pockets in balsam fir
- Drying stresses, shrinkage, and other drying defects
- Theory of developing a drying schedule

Day 2

- principal and use of DC-resistance moisture meters
- Principal and use of hand-held, power-loss moisture meters
- In-line moisture meters
- Drying characteristics of black spruce, white spruce, jack pine, and balsam fir
- Overview of drying alternatives (air drying, conventional kiln drying, hightemperature drying)
- Pre-sorting to improve productivity and quality
- Conventional and high-temperature drying schedules

Day 3

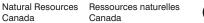
- Kiln operation and maintenance
- Kiln controllers and kiln control strategies (i.e. TDAL, exiting versus entering air control)
- Air flow requirements
- Quality control techniques
- Economics of drying
- Heat treating as an option for export lumber













December 1-3, 2015 • Maritime College of Forest Technology, Fredericton, NB

Spruce-Pine-Fir Kiln Operator CourseDecember 1-3, 2015 • Maritime College of Forest Technology, Fredericton, NE Quality Drying of S-P-F for Dimension Lumber and Other End Uses Conventional & High-Temperature



Registration Form

Last Name Fi	rst Name
Company	
Address	
Address	
City	rovince / State Postal / Zip Code
Telephone	Fax
E-mail	
Registration Fee - \$1,570.00 (Plus HST) (Estimated course fee Includes instructional material, Kiln Operator's Manual for Eastern Canada, handouts, daily refreshment breaks and lunch. Course enrolment is limited to 25 students. The full registration fee must be received prior to the course to guarantee your seat. Full refund if you cancel prior to 15 days before the course start date. Late cancellations will be subject to a \$100 cancellation fee unless course becomes filled or registration is transferred to another individual from the same company. The organizers reserve the right to cancel the course failing sufficient enrolment. In the event of course cancellation, all registration fees will be returned in full. Fax completed form to: (902) 897-6976 Canadian Woodlands Forum Registration due by November 16th, 2015 First come, first served basis	Cheque: Please make cheque payable to: Canadian Woodlands Forum Mail to: 20 Coupar Terrace, Truro, NS B2N 5L3 Credit Card (Visa and MasterCard accepted): Card Number Expiration Name as it appears on card (please print)
For information, contact: Peter Robichaud Barry Tupper (O) 902 897-6961 (O) 902-681-6882 (C) 902 899-6420 (C) 902-300-3569 probichaud@cwfcof.org barry.tupper@fpinnovations.ca	Cardholder's signature
For Office Use Only: ID	Payment Method Deposit# Initial





