

# Workshop and Field Demonstration for: Vacuum- Steam Treatment of Logs to Meet Export Requirements

**What is this about?** This program is composed of both a workshop and field demonstration of vacuum-steam phytosanitation for logs. The goal of the workshop is to introduce all those associated with the movement and export of logs to a commercially viable non-fumigation method of treatment. The vacuum-steam system greatly improves the turnaround time of the current USDA T-314 heat treatment schedule for hardwood logs. Research has confirmed the efficacy of this method for a number of important pests and pathogens of hardwood logs, including oak wilt, thousand canker disease complex, and cerambycid borers.

**Who Should Attend?** Loggers, lumber manufacturers, freight forwarders, forest products exporters, forest industry NGOs, Forest Service representatives, USDA APHIS PPQ inspectors, fumigators and academic and research institutions.

**When?** June 5, 2019

**Where?** The workshop and demonstration will be held at the Brooks Forest Products Center, 1650 Research Center Dr., Blacksburg, VA 24061.

**Sponsors:** Virginia Cooperative Extension, USDA Forest Service, Wood Education and Resource Center, Princeton, WV; Virginia Tech, Department of Sustainable Biomaterials, Blacksburg, VA

**Registration:** You must register for this workshop. Registration is \$28.00 and can be completed here: <https://register.ext.vt.edu/search/public/CourseSearchDetails.do?method=load&courseId=208776>

Registration closes May 29, 2019. Parking passes will be provided on the day of the event. Lunch and food at breaks provided.

## Program

**8:00 AM- 8:30 AM – Introductions and linkage between forest health, hazardous fuels, and wood utilization**

Dr. Brian Bond, Department of Sustainable Biomaterials, Virginia Tech

**8:30 AM – 9:30 AM – Forest Health in Virginia**

Bill Sweney? Virginia Department of Forestry

**9:30 AM – 10:00 AM – US log exports and imports**

William Luppold, Economist, USDA Forest Service

**10:00 AM – 10:15 AM – Break**

**10:15 AM – 11:15 AM – Current methods of controlling pest migration on log imports and exports**

Dennis Heltzel, APHIS PPQ

**11:15 PM – 12:15 PM – Summary of alternatives to methyl bromide**

Ron Mack APHIS PPQ

**12:15- 1:00 Lunch**

**1:00 PM – 1:45 PM – Development of a non-chemical log treatment**

Dr. Marshall White, Professor Emeritus, Department of Sustainable Biomaterials, Virginia Tech

**1:45 PM – 2:15 PM – Commercial steam and vacuum treatment systems for logs**

Peter Philipp, VP, Phytosanitation Vacuum Systems LLC, Blacksburg, VA

**2:15 PM – 2:45 PM - Economic analysis of the new vacuum and steam phytosanitation technology**

Dr. Henry Quesada, Department of Sustainable Biomaterials, Virginia Tech

**2:45 PM – 4:00 PM – Steam and vacuum log treatment demonstration**

Dr. Marshall White and Dr. Zangjing Chen, Virginia Tech

For more information:

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**Brooks Forest Products Center  
Blacksburg, VA**