



Aprovecho Research Center

Advanced Studies in Appropriate Technology Laboratory

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Controlled Cooking Test Workshop Schedule With SNV World March 14-26, 2011

Day 1 - Monday March 14

Lecture

- Intro – participant’s backgrounds, projects, etc
- Exploration of Stove Project Goals (How can we meet these goals?)
- Introduction to testing stoves - Why we test and what we test for
- Details of Emissions recording from Portable Emissions Monitoring System (PEMS) and Indoor Air Pollution Meter (IAP)
- Water Boiling Test (WBT)–
 - Discuss purpose and conduction of a good WBT
 - WBT with PEMS and IAP meter
- The Controlled Cooking Test (CCT)–
 - Discuss purpose and conduction of a good CCT
 - CCT with PEMS and IAP meter
- The Kitchen Performance Test KPT

Hands-On

- Demonstration of data collection and conduction of WBT on traditional stove under PEMS
- Participants perform WBT on the project stoves
- Discuss results

Day 2 Tuesday March 15

Lecture

- Clean Combustion
- Heat Transfer
- General Design Principles for clean burning stoves

Hands On

- Introduction to Materials – refractory and insulative
- Design CCT for Laos – perform one CCT
- Make design changes, test with WBT
- Discuss results

Night of March 15 - Night bus to Savannakhet for Hands on Test training with PEMS and IAP

Training Day 3 Wednesday March 16

- Meet with three local cooks who will be our stove testers - Determine CCT meal and schedule of cooks as needed
- CCT of one improved stove versus under PEMS with Cook 1
- Participants encouraged to make design changes and test via WBT during CCT testing
- Participants launch IAP equipment and place in local home

Training Day 4 -12

- Presentation and Discussion of results of prior testing
- Divide trainees into groups of two
- Continue testing with each group of two running CCT
- Discuss results and lessons learned