



Welcome to the USNRC 2014 TRACE/SNAP User Workshop

Instructors

Mark Bolander, ISL-Idaho Falls
TRACE Assessment, Applications & Development

Don Fletcher, ISL-Texas
TRACE Applications & Assessment

Lance Larsen, ISL-Idaho Falls
TRACE Assessment, Applications & Development

Ken Jones, Applied Programming Technology
SNAP Development



Objective

The workshop is intended to aid beginning and intermediate TRACE users who have some thermal-hydraulic system code experience

The focus is on using TRACE and employing SNAP for facilitating the analysis process



Outline

Most workshop activities will contain lectures early in each session and computer exercises later in the same session. A detailed outline appears in the front of the notebook.

Day 1 Morning

Basic TRACE code theory and facility modeling approach

Overview of the SNAP user interface

Day 1 Afternoon

SNAP modeling exercises



Outline (continued)

Day 2 Morning

TRACE component models – Part 1

TRACE modeling exercise – MIT pressurizer test assessment

Day 2 Afternoon

TRACE component models – Part 2

TRACE plant model introduction

TRACE modeling exercise – Add components to a PWR plant model



Outline (continued)

Day 3 Morning

TRACE component models – Part 3

TRACE modeling exercise – Revise features of the PWR plant model

Day 3 Afternoon

TRACE modeling issues and guidelines

**TRACE modeling exercise – FLECHT-SEASET
reflood test assessment**

Outline (continued)

Day 4 Morning

TRACE modeling exercise – Single model multiple simulations, achieving steady-state target conditions, debugging input errors, break modeling and validation, reflood configuration and steady-state calculation

Day 4 Afternoon

Summary of TRACE developmental assessment results

TRACE modeling exercise – PWR small break loss of coolant accident transient simulation and analysis



Other Information

TRACE Version 5.0 (Patch 4)

SNAP Version: 2.2.9

In addition to the printed notebook, we will be providing you CDs with electronic files: notebook presentations, instructions and input files for running the workshop example problems.

The CDs will not contain the codes, which should be obtained separately through your normal channels.



Practicalities

Session times each day:

8:30 AM – 12:00 Noon

1:00 PM – 4:30 PM

Additional breaks have been scheduled during the morning and afternoon sessions.

No smoking in the building

No food or drinks in the training room

We hope you benefit from and enjoy this training workshop

Please ask us if you need anything to make your workshop experience better