

AGENDA Day 3

Managing Uncertainty with Systematic Planning: (Developing Defensible Sample Designs for Environmental Decision-Making)

8:00 AM to 5:00 PM

8:00 AM – 8:15 AM **Module 16: Introduction, Objectives, & Agenda**

Presenter: Sebastian Tindall

This module briefly discusses the DOE and EPA missions to institutionalize a Systematic Planning Process throughout the DOE complex and provides an overview and presents the day's agenda and the objectives of each of today's 9 modules and 2 exercises.

8:15 AM – 9:15 AM **Module 17: The Systematic Planning Process (Step 7)**

Presenter: Sebastian Tindall

The presentation of the Planning Process, in detail, is continued. Step 7 is covered in this session.

9:15 AM – 9:30 AM **Morning Break**

9:30 AM – 10:30 AM **Module 18: Systematic Planning Process: Case Study – Step 1**

Presenter: Sebastian Tindall

A case study based on the Planning Process is presented. Step 1 is covered in this module.

10:30 AM – 11:00 AM **Module 19: Systematic Planning Process: Case Study – Steps 2, 3, 4, 5, & 6**

Presenter: Sebastian Tindall

A case study based on the Planning Process is presented. Steps 2-6 are covered in this module.

11:00 AM – 12:00 PM **Module 20: Systematic Planning Process: Case Study – Step 7**

Presenter: Sebastian Tindall

A case study based on the Planning Process is presented. Step 7 is covered in this module

12:00 PM – 1:00 PM **LUNCH BREAK**

1:00 PM – 2:00 PM **Module 21: Multi-Increment Sampling**

Multi-Increment Sampling in depth; Review and Questions on Take Home Module;.

2:00 PM – 2:15 PM **1st Afternoon Break**

2:15 PM – 3:30 PM **Module 22-a: Introduction to Visual Software: VSP, VSS, VDQA, ProUCL.**

Presenter: Sebastian Tindall

The development of a sample plan involves evaluating trade-offs between decision error, sampling costs, and remediation costs. Visual Sample Plan software provides a quick and easy way to visualize the impacts of various sample designs. Visual Sample Size, Visual Data Quality Assessment (VDQA) and ProUCL will be demonstrated.

3:30 PM – 3:45 PM **2nd Afternoon Break**

3:45 PM – 4:30 PM **Module 22-b: Introduction to Visual Software: VSP, VSS, VDQA, ProUCL.**

Presenter: Sebastian Tindall

Module 21 continued.

4:30 PM – 4:45 PM

Module 23: QE3C Systematic Planning Web Site

Presenter: Sebastian Tindall

This module takes the class on a tour of the QE3C Web Site, displaying and demonstrating the many materials and tools developed to support the Planning Process.

4:45 PM – 5:00 PM

Module 24: Closing Remarks

Presenter: Sebastian Tindall

Key points to remember are summarized in this module. They all highlight how the Planning Process helps you create order out of the chaos of regulations and requirements that surround collecting and analyzing environmental data and lead you to defensible decision-making.