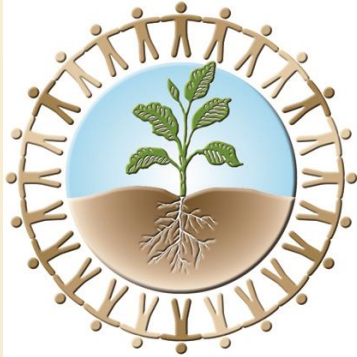


Welcome to



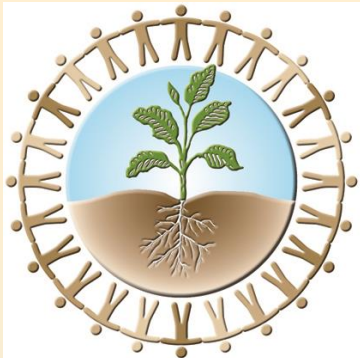
Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Soil Treatability Investigation Group
February 6, 2014



U.S. DEPARTMENT OF
ENERGY



Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Tonight's Meeting

Wendy Green Lowe, Facilitator



U.S. DEPARTMENT OF
ENERGY



Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Tonight's Objectives

The February 6th meeting is designed to support discussion about:

- Master Soil Treatability Study Plan
- Bioremediation Treatability Study and Phase One Results
- Phytoremediation Treatability Study Plan and Phase One Results
- Natural Attenuation Treatability Study Plan and Phase One Results
- Current findings from the soil investigation studies at ETEC
- Upcoming opportunities to observe study activities

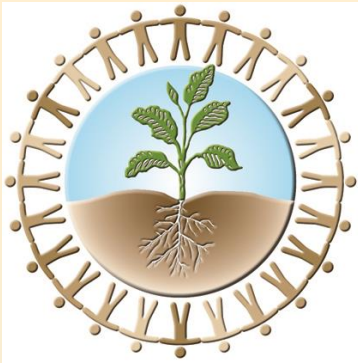


Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Proposed Ground Rules

1. Treat others with kindness and respect
2. Hold questions until after each topic
3. Avoid distractions



Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Welcome and Introductions

John Jones, Project Director ETEC (DOE)

Stephanie Jennings, Deputy Project Director ETEC (DOE)



U.S. DEPARTMENT OF
ENERGY

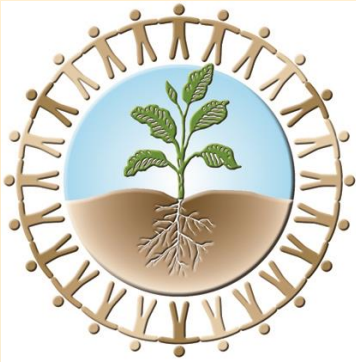


Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Treatability Study Background

- Sandia National Laboratories was contracted by DOE to identify potential soil treatability actions
- DOE contracted with California Polytechnic State University and University of California Riverside for five treatability studies:
 - Cal Poly: Natural Attenuation, Bioremediation, Phytoremediation
 - UC Riverside: Soil Partitioning, and Mercury State Determination
- DOE, CDM Smith and the Universities have worked closely with DTSC in developing Study Plans
- Tonight we will present status and initial findings of the studies



Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Master Work Plan: Soil Treatability Studies

Dr. Keegan Roberts (CDM Smith)



U.S. DEPARTMENT OF
ENERGY

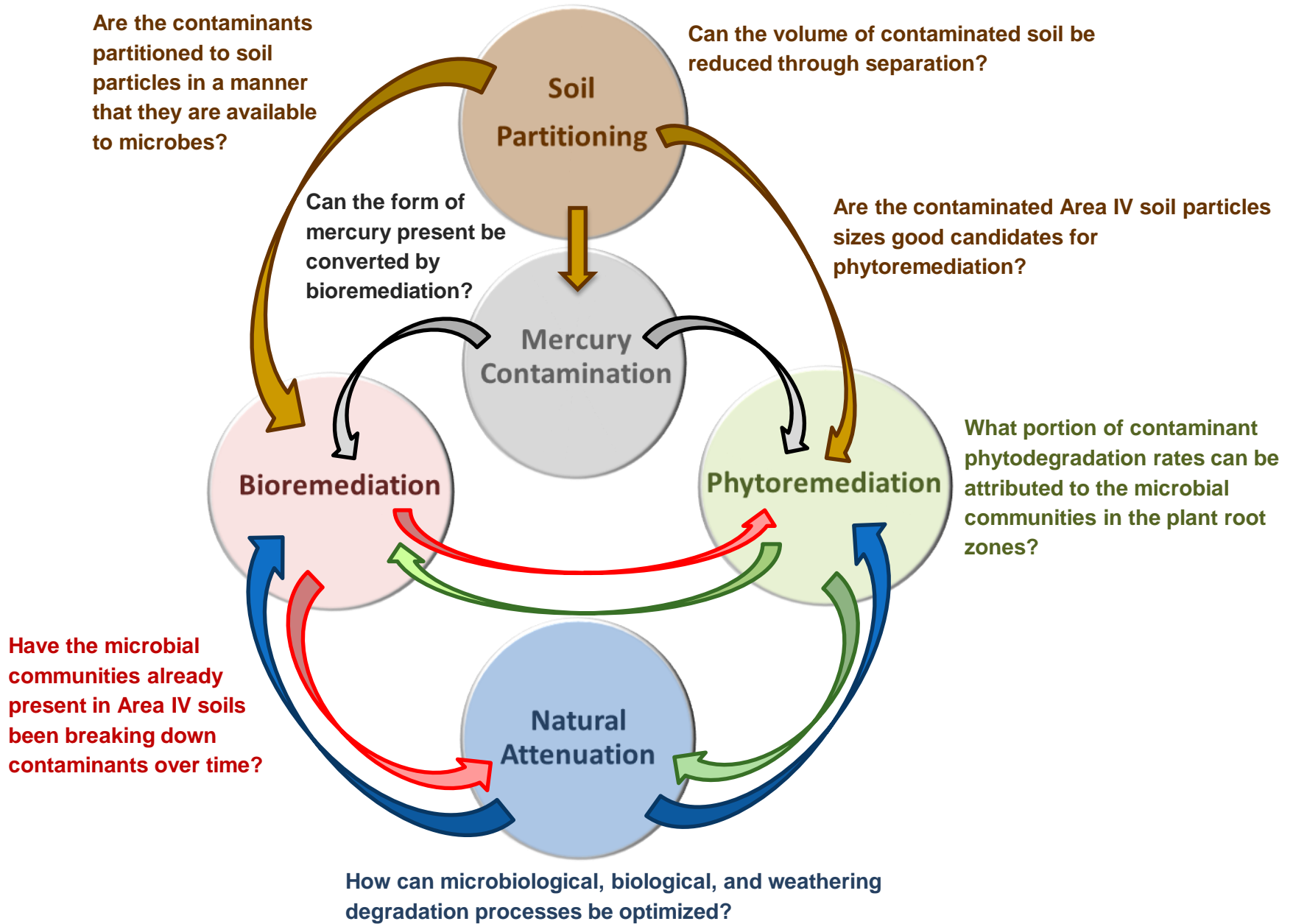


Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Master Work Plan

- During the treatability study plan development discussions with DTSC, it was determined that the individual studies and their relationships should be discussed in an overarching Work Plan
- CDM Smith working with the Universities developed the Soil Treatability Master Work Plan concurrently with other study plans
- Master Work Plan was the first treatability plan document approved by DTSC
- The graphic on next slide illustrates how the studies are interrelated and inform the research being conducted by the universities





Soil Treatability Study

Energy Technology Engineering Center • U.S. Department of Energy

Study Plan Status

- Soil Partitioning Study Plan approved and being implemented
 - See poster for initial findings
- Phytoremediation Study Plan approved and being implemented
- Natural Attenuation Study Plan approved and study being implemented
- Bioremediation Study Plan in final DTSC review
- Mercury Study Plan gone to DTSC for review