



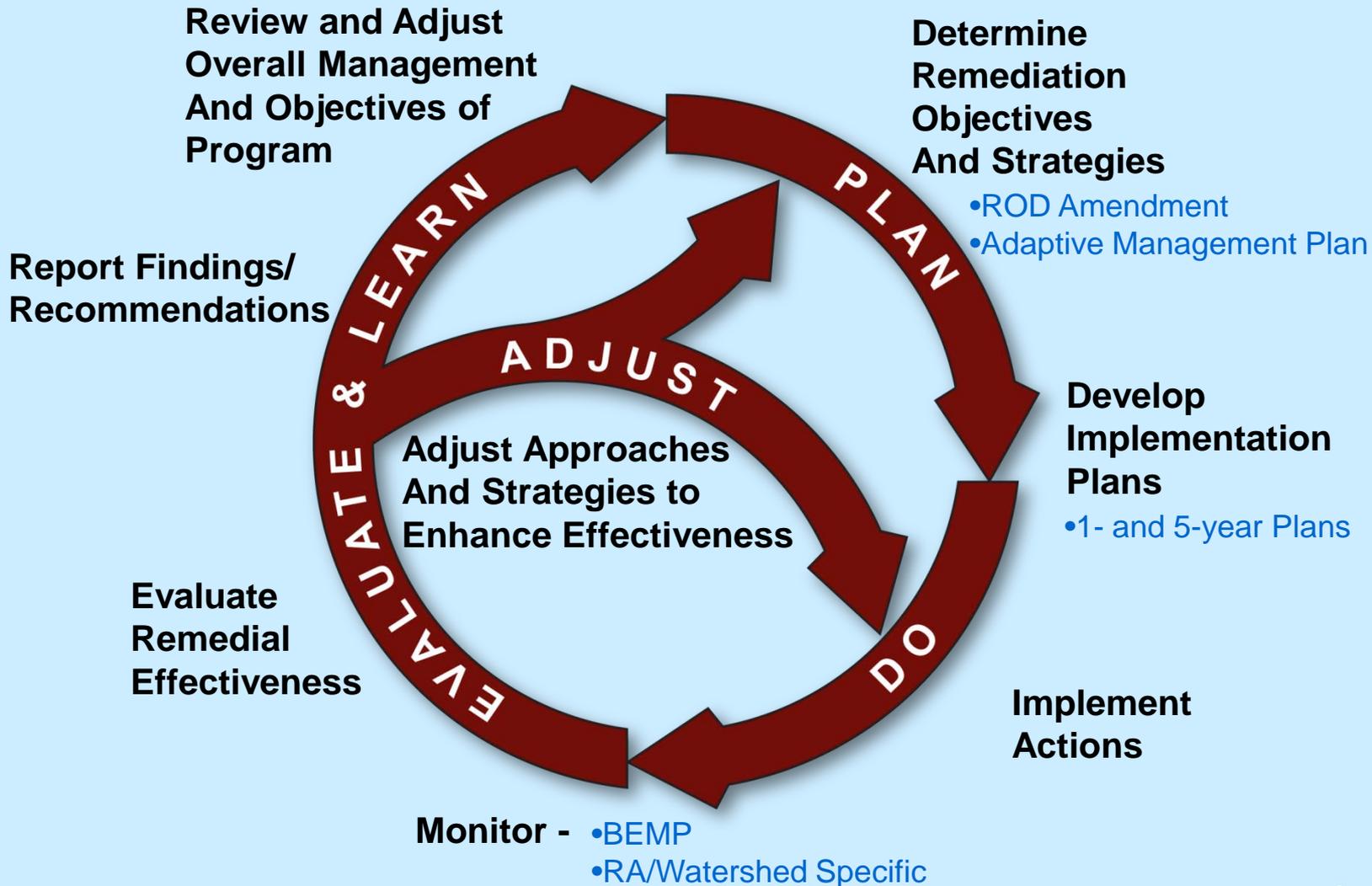
**Adaptive Management and
Implementation Planning**



**Upper Basin PFT
April 14, 2011**



Adaptive Management Process





Remedial Action Objectives

- **Refinement of RAOs**
 - Surface Water
 - Ambient Water Quality Criteria
 - Fishery Tiers (Ecological Goals)
 - Interim Benchmarks
 - Watershed- or reach-specific basis





Refinement of Remedy

- **Response to comments on Proposed Plan**
 - Changes to some actions
 - Changes to strategy for implementation
- **Available Budget and Schedule**



2011 Asarco Trust Activities

- **Ninemile Creek**
 - Waste Consolidation Area (WCA) evaluations
 - Characterization and Pre-design data collection
 - Potential participation in 2011 field effort
- **USBM Site in Osburn Capping**
- **Canyon Creek - Gem**
- **Composting Evaluation**



Adaptive Management Plan

- **Comments received on October 2011 version**
- **Additional information clarity**
 - RAOs – site-wide and benchmarks
 - Budgets and schedules
 - Infrastructure
- **Adaptive Management Guide will be released in conjunction with the ROD Amendment**



Implementation Planning

- **1-year, 5-year, and longer range Implementation Plans to be released in conjunction with ROD Amendment**
- **Current Efforts:**
 - Identification of categories for sites with PFT
 - 2011 field work to potentially remove sites from the Proposed Plan list and refine water treatment needs
 - EPA refining budget models and scenarios for remedy implementation, including OU2 work.



Implementation Planning – Path Forward

- **Revise initial action categories based on PFT input and results of 2011 field work.**
- **Work with PFT to develop initial remedial action prioritization based on factors of interest.**
- **Work with PFT to develop initial 1-year and 5-year Implementation Plans and longer range planning.**



Implementation Planning – Additional Factors

- **Human Health Exposure**
- **Recontamination Potential**
- **Restoration Potential**
- **Repository/WCA Needs**
- **Water Treatment Infrastructure**
- **Location**
- **Uncertainty/Design Needs**
- **Budget**
- **Schedule/Available Resources**