

NAPL Cleamup Alliance

Rev 0 Draft Document
Presented in Dallas TX
May 21, 2003

### Today's Objectives

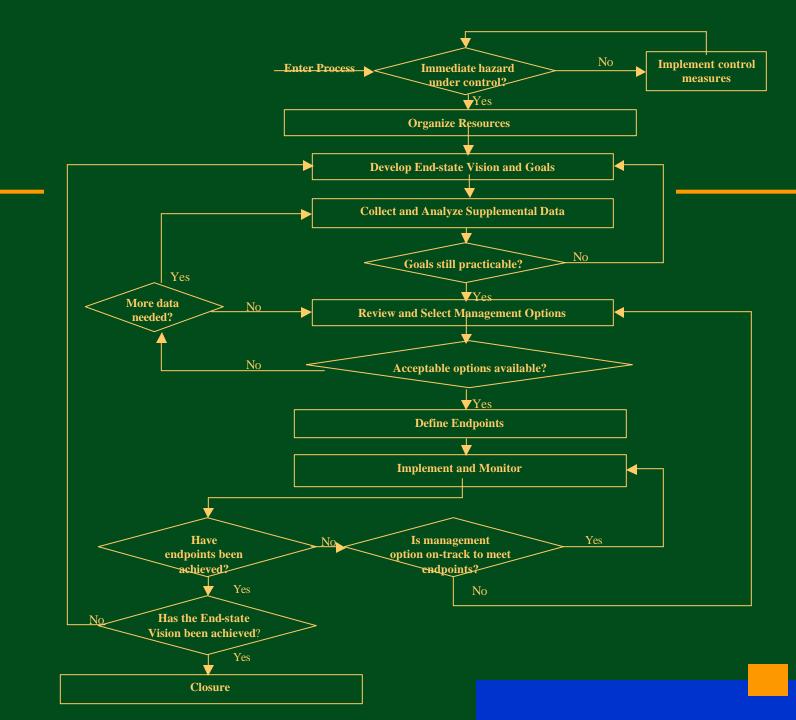
- Conduct collaborative discussion regarding Rev 0 of Draft Decision-making Framework with NAPL Alliance core team and invited guests, including specific review comments
- Establish schedule for receipt of written comments and preparation of Rev 1 of the document

#### **Document Outline**

- Executive Summary
- Introduction and Objectives
- Organize Resources, Develop End-state Vision, and Establish LNAPL Management Goals
- Collect and Analyze Supplemental Data
- Develop LNAPL Management Strategy
- Establish Endpoints
- Implement and Monitor
- Revisit the LNAPL Management Plan

### Introduction and Objectives

• Purpose of the document: provide a decision-making framework to guide development of reasonable and practicable approaches for cleanup and/or long-term management of LNAPLs in the subsurface at large complex sites



### II. Organize Resources, Develop End-state Vision, and Establish LNAPL Management Goals

- Organize Resources (human, \$, info)
  - Assess current state of knowledge
  - Organize the stakeholder process
  - Identify stakeholders
  - Design, agree to and implement a consensus-based process
- Develop End-state Vision
  - Discuss stakeholder interests
  - Develop a common understanding of the problem
  - Prepare the end-state vision statement

### II. Organize Resources, Develop End-state Vision, and Establish LNAPL Management Goals cont....

- Establish LNAPL Management Goals (specific, measurable, achievable, results oriented, and time-bound)
- Document and Communicate the Consensus Process, End-state Vision, and LNAPL Management Goals
- Write the Long-term LNAPL Management Plan

## III. Collect and Analyze Supplemental Data

- Objectives and Targets
- LNAPL Distribution
- LNAPL Mobility
- LNAPL Recoverability
- Field Data Collection
- Laboratory Analyses
- Data Interpretation

# IV. Develop LNAPL Management Strategy

 Evaluate LNAPL Management Options

• Identify Treatment, Removal, and Containment Technologies

Select and Test Technology

#### 5.0 Establish Endpoints

- Define an endpoint for each of the goals
- Endpoints are specifically defined to measure progress towards meeting the goals

#### 6.0 Implement and Monitor

- Implementation occurs in phases to address specific goals for each phase.
- Monitoring of progress at regular intervals is critical both during active and passive phases.

## 7.0 Revisit the LNAPL Management Plan

- The Plan provides a roadmap to achieve the end-state vision for reasonable and practicable LNAPL management.
- A flexible, living document describes the collected understanding and desires of the stakeholder group.

### Appendices

- A. Current Conditions Checklist
- B. Selection of LNAPL Management Options, including decision criteria and checklist
- C. Selected LNAPL Remediation and Characterization Technology References
- D. References