

# McKinleyville Community Services District



## Public Scoping Workshop

**April 7, 2010  
Azalea Hall  
6:00 to 8:30 PM**

## Agenda

- 6:00 pm – Introduction
- 6:15 pm - Regulatory Framework Discussion
- 6:35 pm – Workshop Presentation
- 6:55 pm – Break
- 7:00 pm - Discussion Sessions
- 7:30 pm – Discussion Recap
- 7:45 pm - Next Steps
- 8:00 pm - Closure

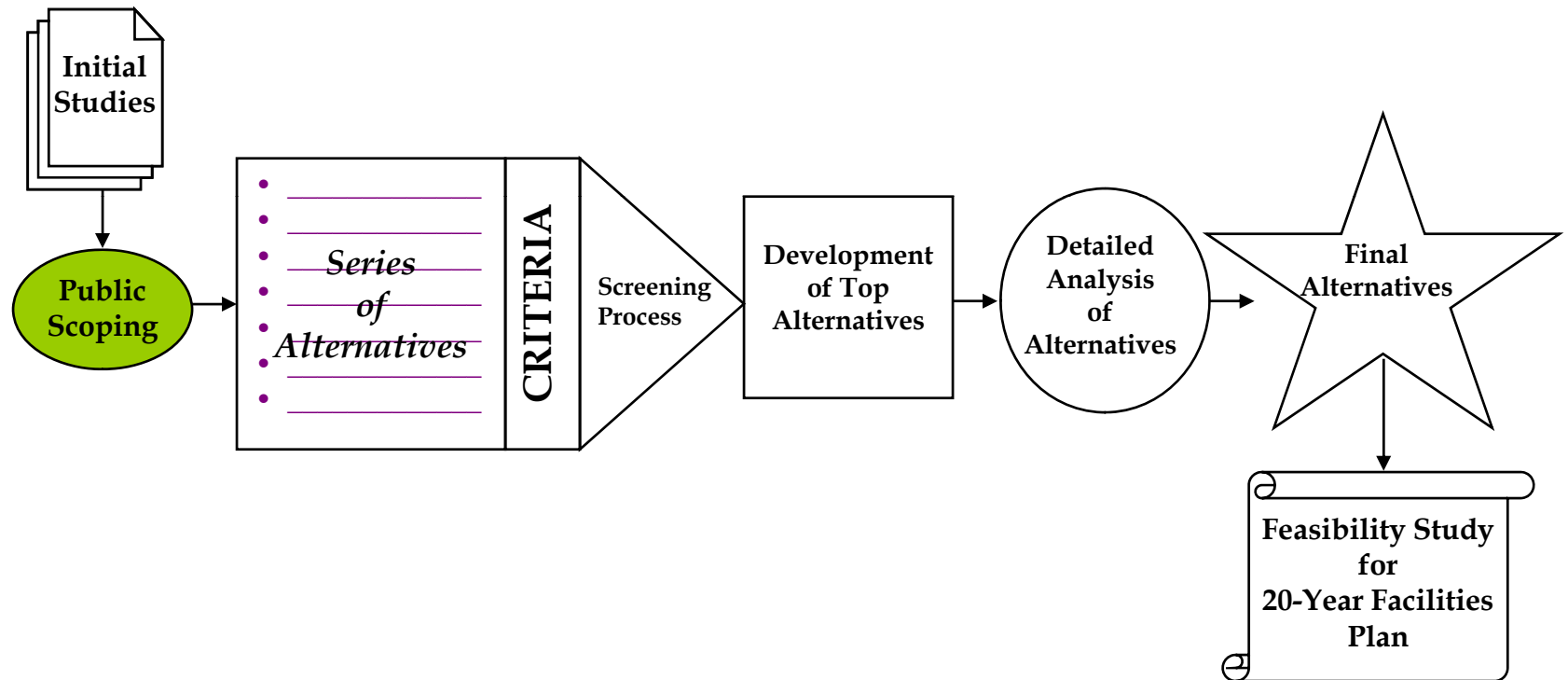


## **Introduction**

Norman Shopay, MCSD General Manager

MCSD's mission is to respond with excellence to McKinleyville's needs and desires and to provide the highest quality, timely services in the most cost effective manner.

# Feasibility Study for 20-Year Facilities Plan



## Why are you here?

- Public participation is a key component in the planning process.
- This workshop presents an opportunity for rate payers and stakeholders to provide input on alternatives to be considered.



## How will facilities planning affect you?

Funding will be required for future improvement projects.

- Grants
- Low Interest Loans
- Utility Rates
- Development Fees

## **Regulatory Framework Discussion**

**California Regional Water Quality Control Board**

**North Coast Region, Region 1**

**5550 Skylane Blvd, Suite A**

**Santa Rosa, CA**

**John Short, Senior Water Resources Control Engineer**

**[jshort@waterboards.ca.gov](mailto:jshort@waterboards.ca.gov)**

**Lisa Bernard, Sanitary Engineering Associate**

**[lbernard@waterboards.ca.gov](mailto:lbernard@waterboards.ca.gov)**

# Workshop Presentation

- Background
- Goals and Objectives
- Improvement Planning Process
- Areas of Discussion
  1. Treatment
  2. Disposal
  3. Reclamation / Reuse
- Discussion Sessions/Recap
- Next Steps



## Background

- Disposal dictates the solution.
- As regulations change and communities grow, more demands are placed on existing systems.
- The District needs to prioritize improvements to address changes in regulations and future growth.
- The District also needs to secure funding for any recommended improvements.
- The District will complete a 20-Year Facilities Plan by December 2011 that will address these needs.





## Goals and Objectives

**The goal of this process is to:**

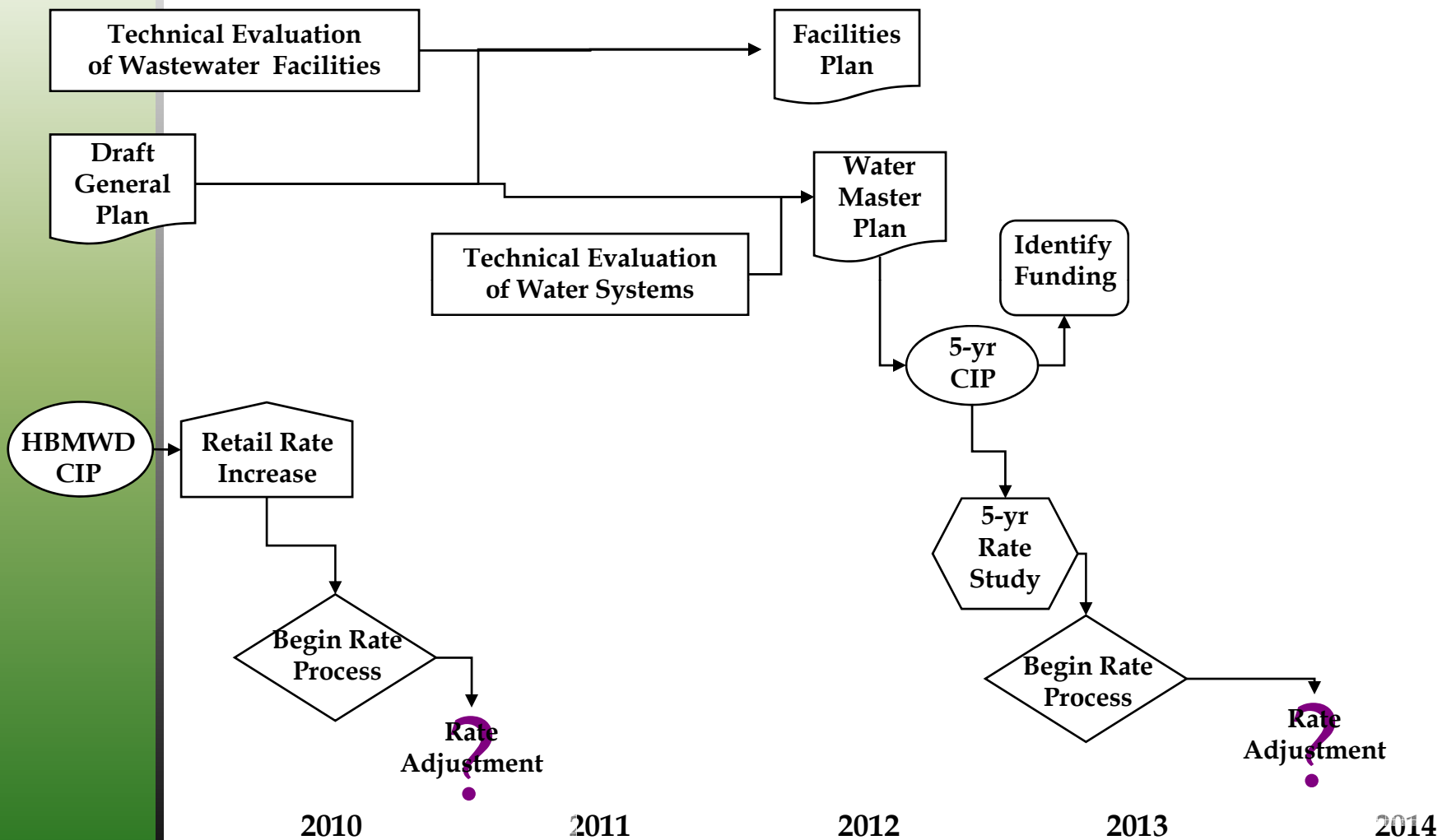
- identify the final alternatives to be considered in the 20-Year Facilities Plan.



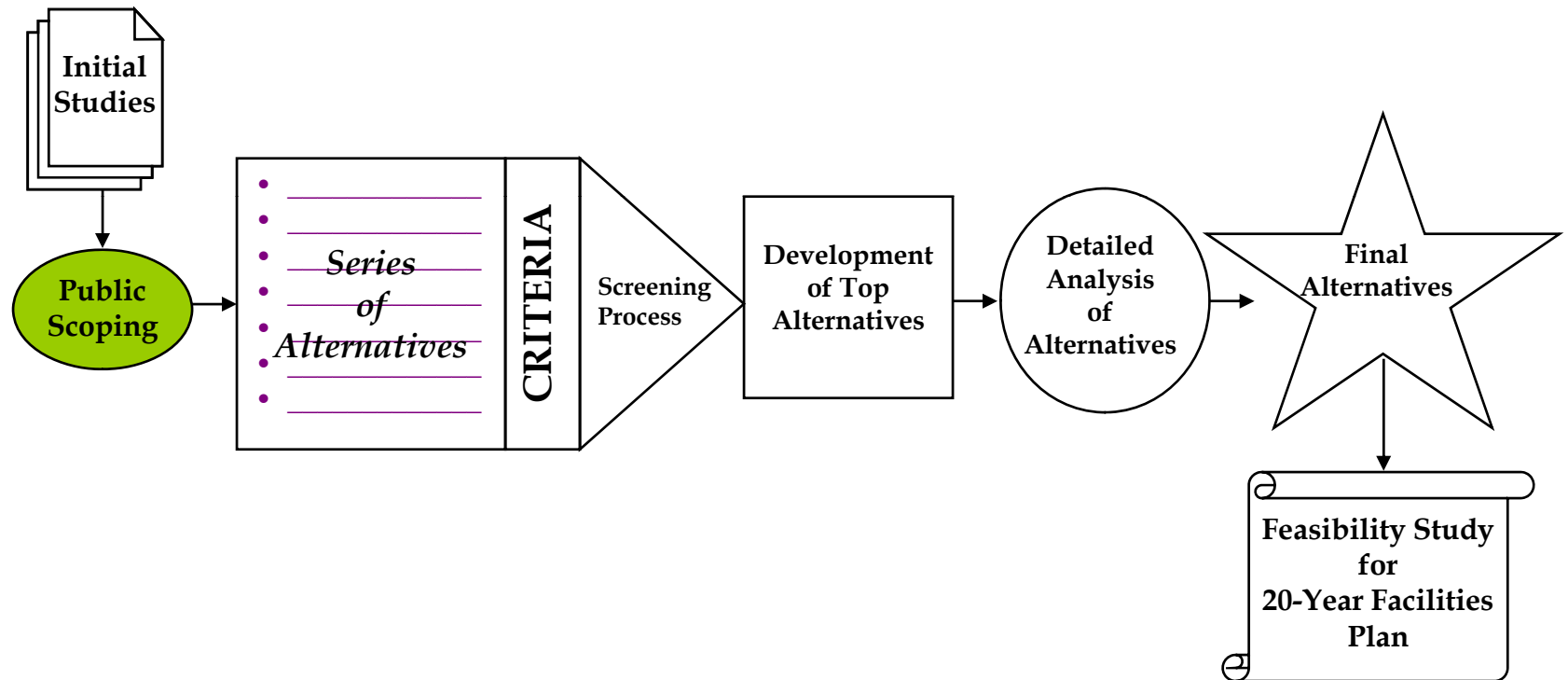
**The objectives of this process are to:**

- keep the public and stakeholders informed,
- gather public input on alternatives,
- develop alternatives, and
- compare and rank alternatives.

# MCSD Improvement Planning Process Overview



# Overview for 20-Year Facilities Plan



## 20-Year Facilities Plan

### Facilities Plan Goal:

Develop sustainable wastewater solutions for the MCSD wastewater collection, treatment and disposal systems.

### Facilities Plan Outline:

1. Regulatory Setting
2. Collection System
3. Wastewater Treatment
4. Effluent Disposal/Reuse
5. Biosolids Disposal/Reuse
6. Financing Plan
7. Environmental Compliance
8. Additional Considerations



# Feasibility Study Alternatives



**1. Treatment**

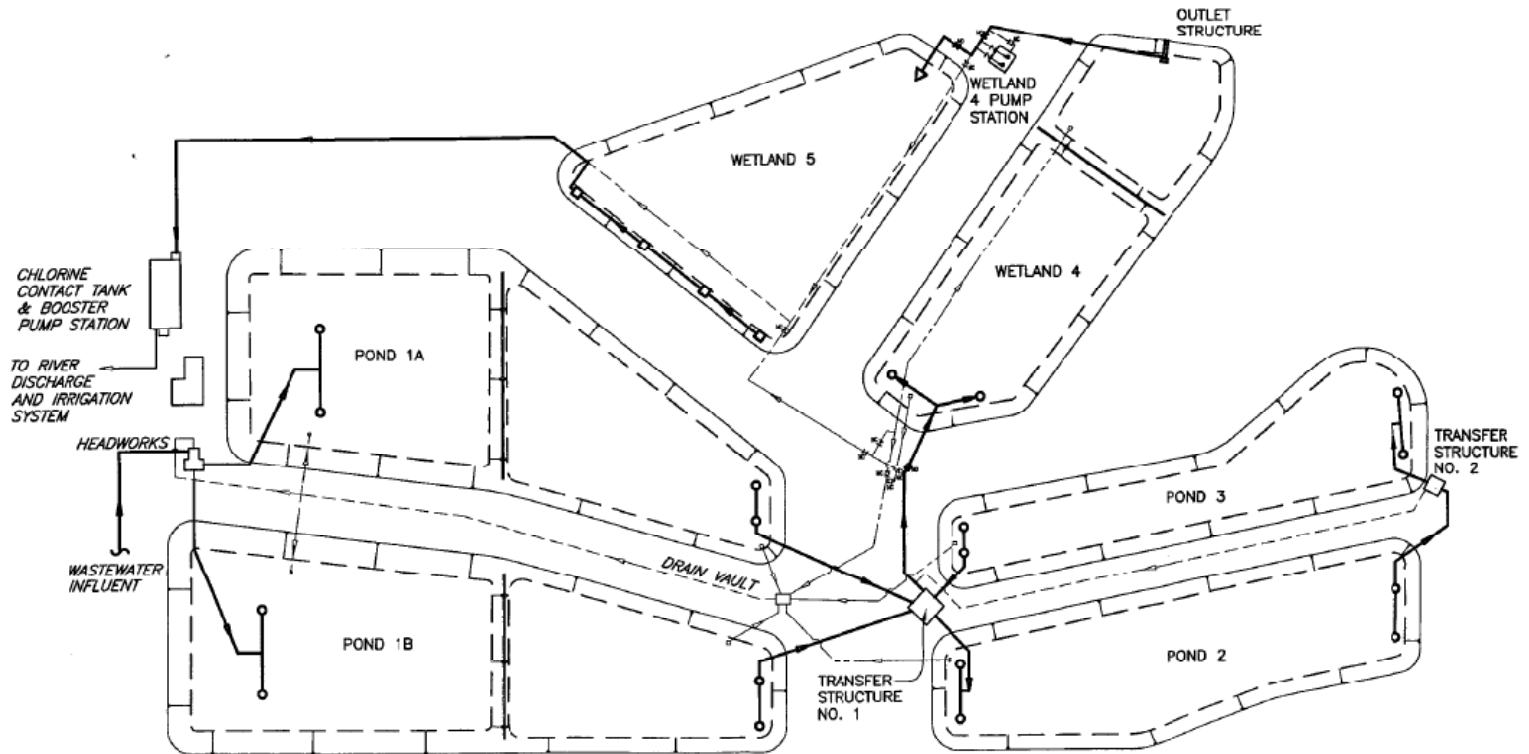


**2. Disposal**



**3. Reclamation/Reuse**

# MCSD Wastewater Management Facility



# MCSD Wastewater Disposal and Reclamation



## Disposal Locations:

Mad River

Percolation Ponds

## Reclamation Locations:

Fischer Ranch

Pialorsi Ranch

# 1. Treatment

## Wastewater Treatment

- Treatment System
  - Expand Existing System
  - Replace Existing System
- Disinfection System
  - Existing Chlorine Usage
  - UV Disinfection/Ozone Generation
- Treatment Wetlands
  - Expand Treatment Wetlands
  - Convert to Tertiary Treatment
  - Use for Effluent Storage





## 2. Disposal

### Effluent Disposal

- Mad River Discharge
  - Basin Plan Regulations
  - Seasonal Disposal
  - 100:1 Dilution Requirement
- Ocean Outfall
  - Ocean Plan Regulations
  - Permitting Requirements
  - Design Constraints
- Land Disposal
  - Surface/Groundwater Impacts



## 2. Disposal, continued

### Biosolids Disposal

- Land Application
  - Compost
  - Agricultural Amendment
- Haul and Dispose
  - Dredging
  - Dewatering/Drying
  - Landfill Transport



### 3. Reclamation/Reuse

#### Land Reclamation and Wastewater Reuse

- Land Reclamation
  - Expand Existing Area
  - Change Crop Cover/Management Practices
  - Plant Trees and Harvest
- Wastewater Reuse
  - Public Access Areas
  - Groundwater Injection



## Discussion Sessions

At this time we would like to invite public participants to join one of the three discussion tables for the first “brainstorming” session.

1. Treatment
2. Disposal
3. Reclamation/Reuse

Limit 6-8 people per table.

We also have a “Questions” table.

There will be two separate sessions. We will give notice after 15 minutes so participants can change tables to allow people to express ideas in more than one category.

# Discussion Session Recap

Report from Tables:

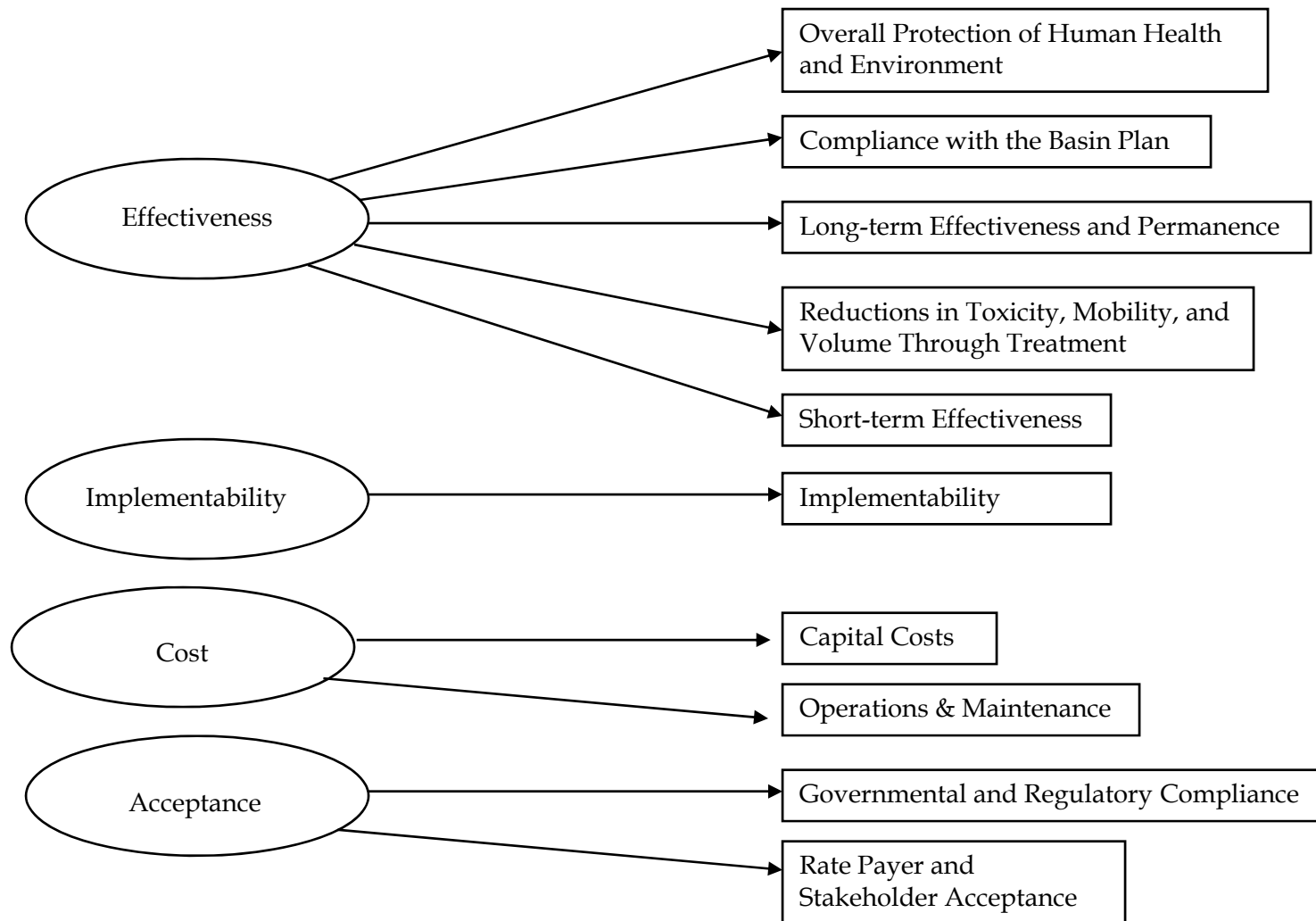
1. Treatment
2. Disposal
3. Reclamation/Reuse
4. Questions

## Next Steps...

The next steps in the planning process include:

- List and organize ideas presented.
- Apply criteria and rank ideas.
- Present ranking at public workshop in May 2010.
- Identify alternatives for inclusion in Feasibility Study.
- Present alternatives at a public meeting in August 2010.
- Complete the Feasibility Study by October 2010.

# Criteria for Feasibility Study



**Thank You!**

**McKinleyville Community Services District**

**1656 Sutter Rd.**

**P.O. Box 2037**

**McKinleyville, CA 95519**

**707-839-3251**

**[www.mckinleyvillecsd.com](http://www.mckinleyvillecsd.com)**