

McKinleyville Community Services District



**Public Scoping Workshop
20—Year Waste Water Facilities Plan**

**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

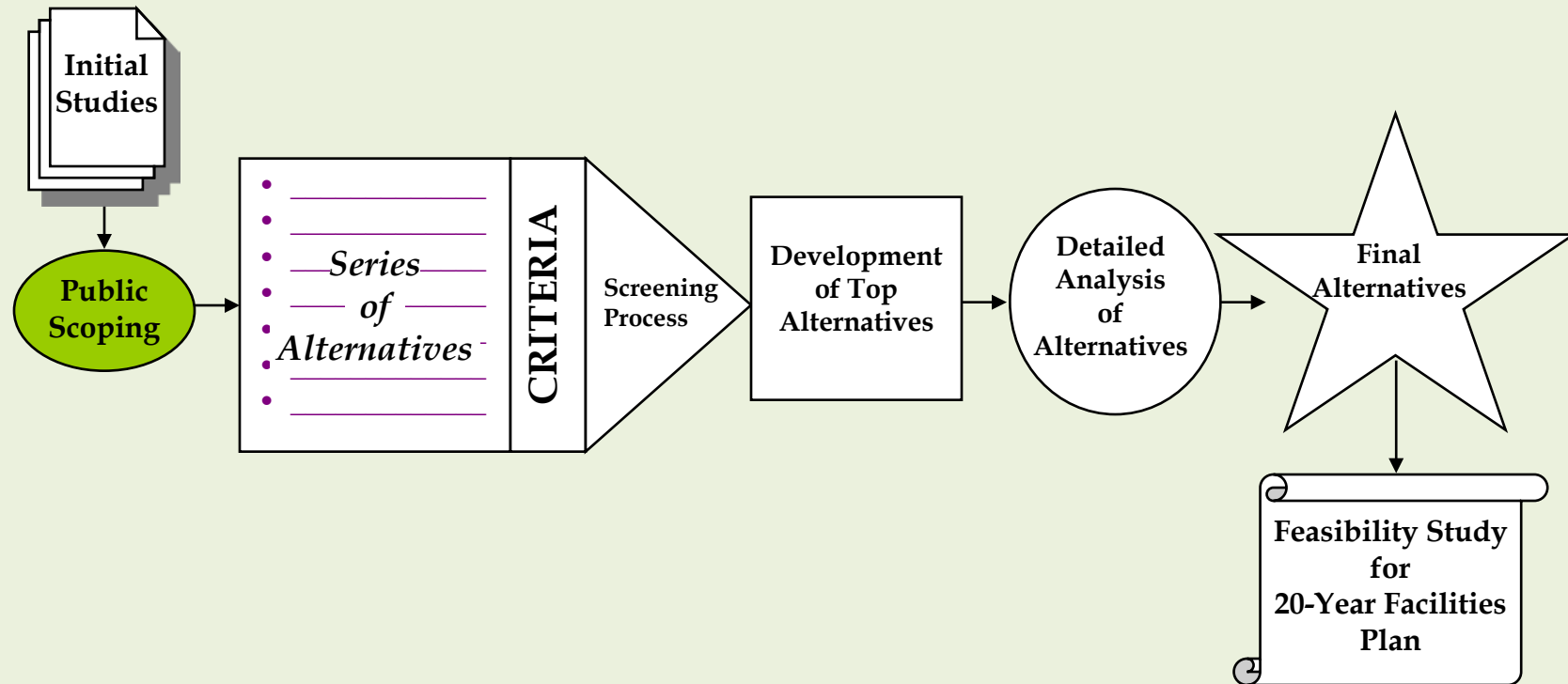
Norman Shopay, MCSD General Manager

To respond with excellence to McKinleyville's needs for those services within our jurisdiction and to provide the highest quality, timely services in the most cost effective manner.

- Even without any growth it will still be necessary to make improvements to our Waste Water Management Facility to meet future regulatory requirements
- Getting from “A” to “B”
- Public participation is a key component of the process
- NASA doesn't ask anyone how to make rocket fuel?

A new analysis of data from the U.S. Centers for Disease Control indicates that a toxic chemical in rocket fuel has severely contaminated the nation's food and water supply. Scientists warn that the chemical, known as perchlorate, could cause thyroid deficiency in more than 2.2 million women of childbearing age.

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

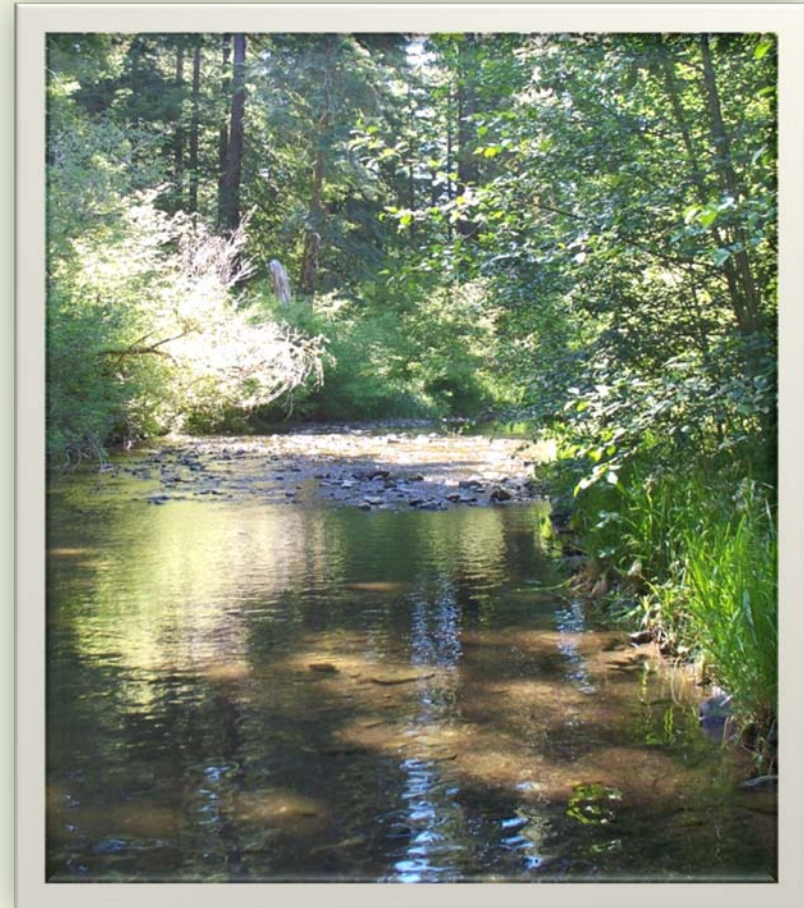
Santa Rosa, CA

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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.

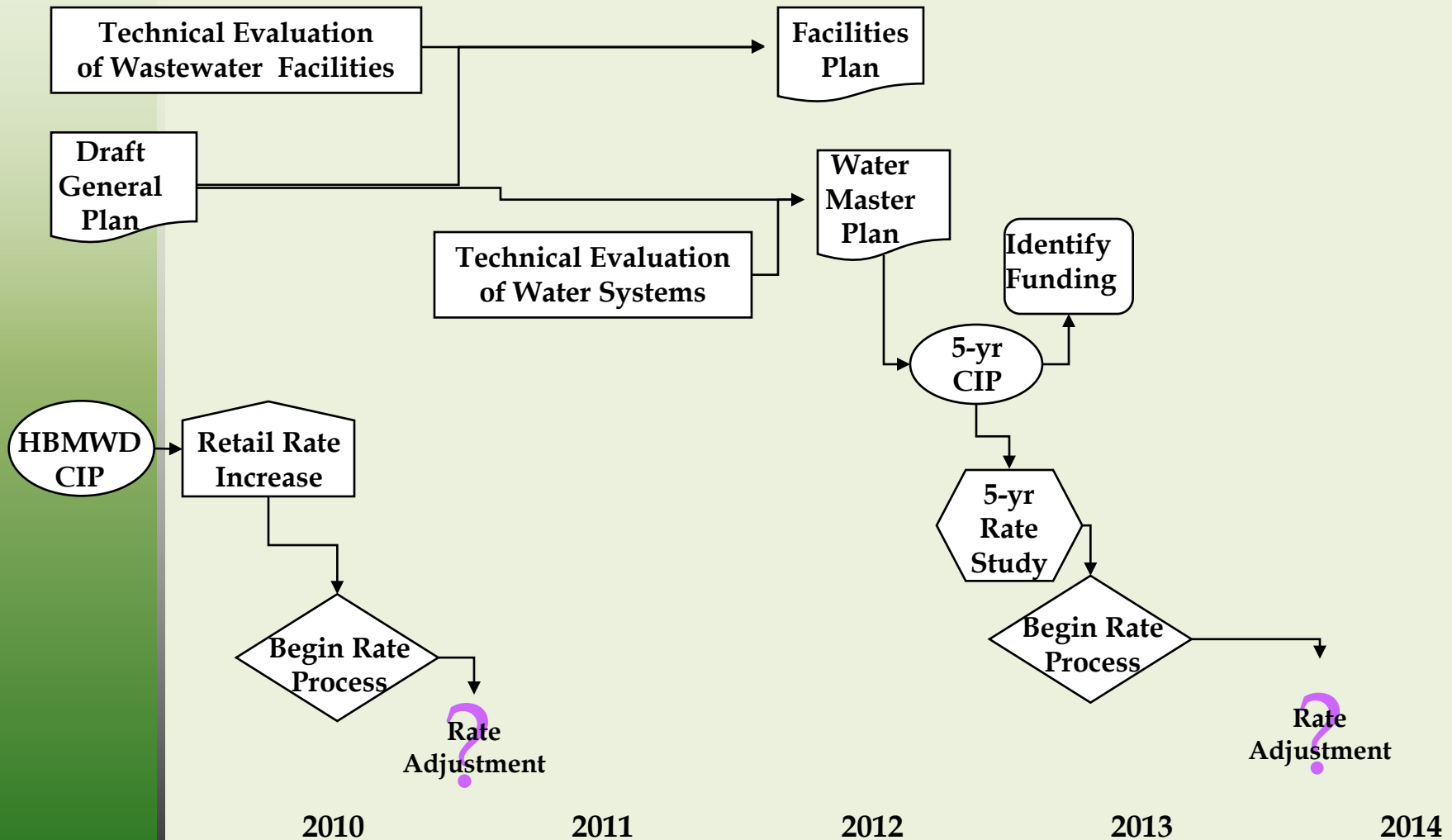


The objectives of this process are to:

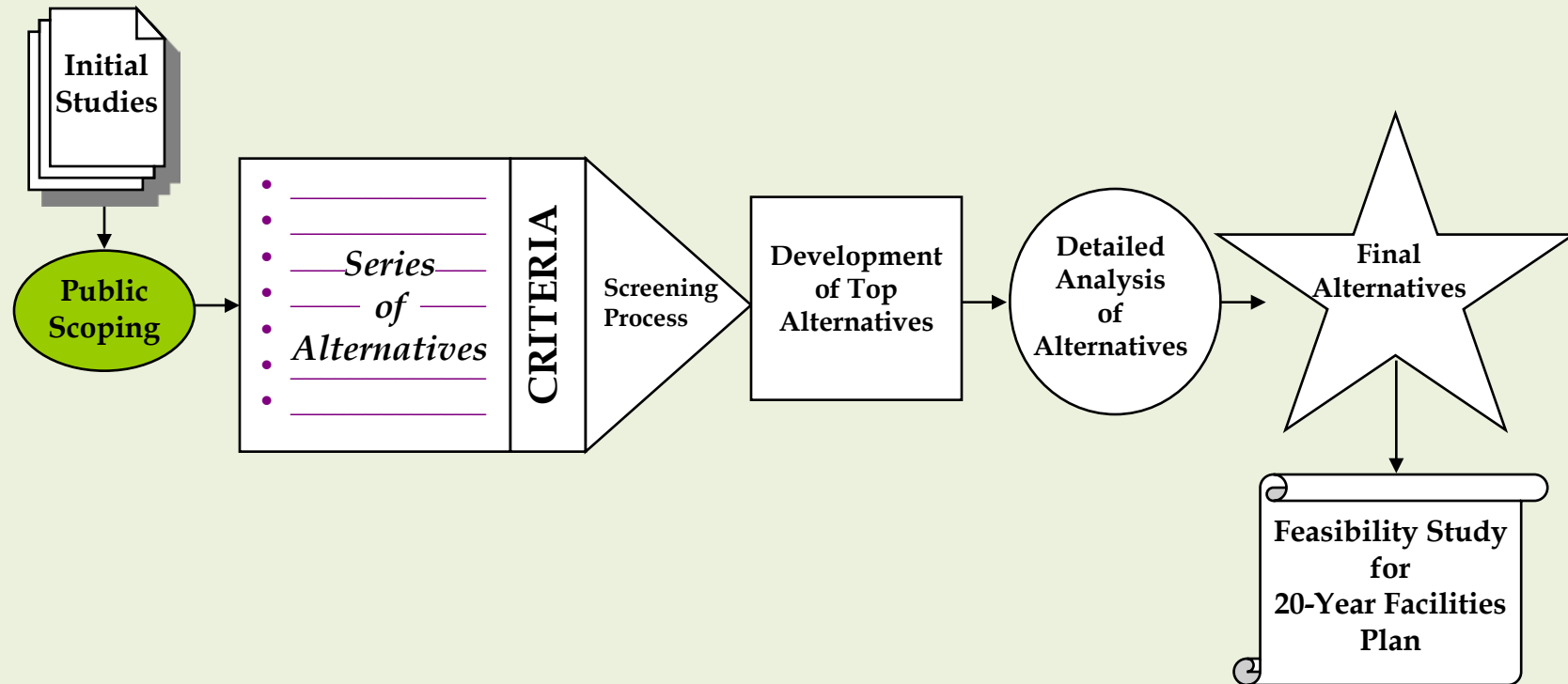
- keep the public and stakeholders informed,
- gather public input on alternatives,
- develop alternatives, and
- compare and rank alternatives.



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

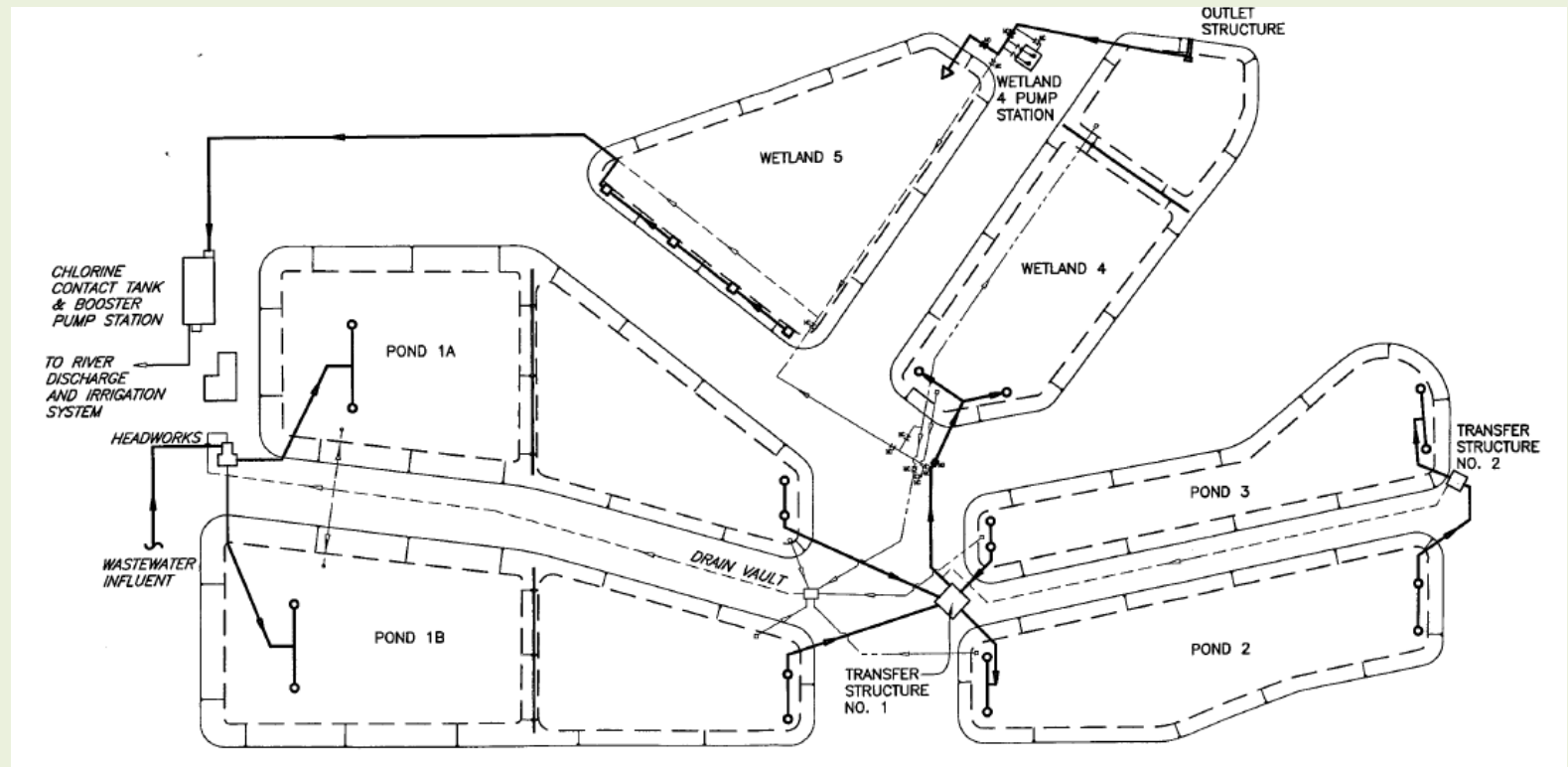


2. Disposal



3. Reclamation/Reuse

MCSD Wastewater Management Facility



MCSD Wastewater Disposal and Reclamation



Disposal Locations:

- Mad River
- Percolation Ponds

Reclamation Locations:

- Fischer Ranch
- Pialorsi Ranch
- MCSD

1. Treatment

Wastewater Treatment

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



2. Disposal

Effluent Disposal

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



2. Disposal, continued

Biosolids Disposal

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



3. Reclamation/Reuse

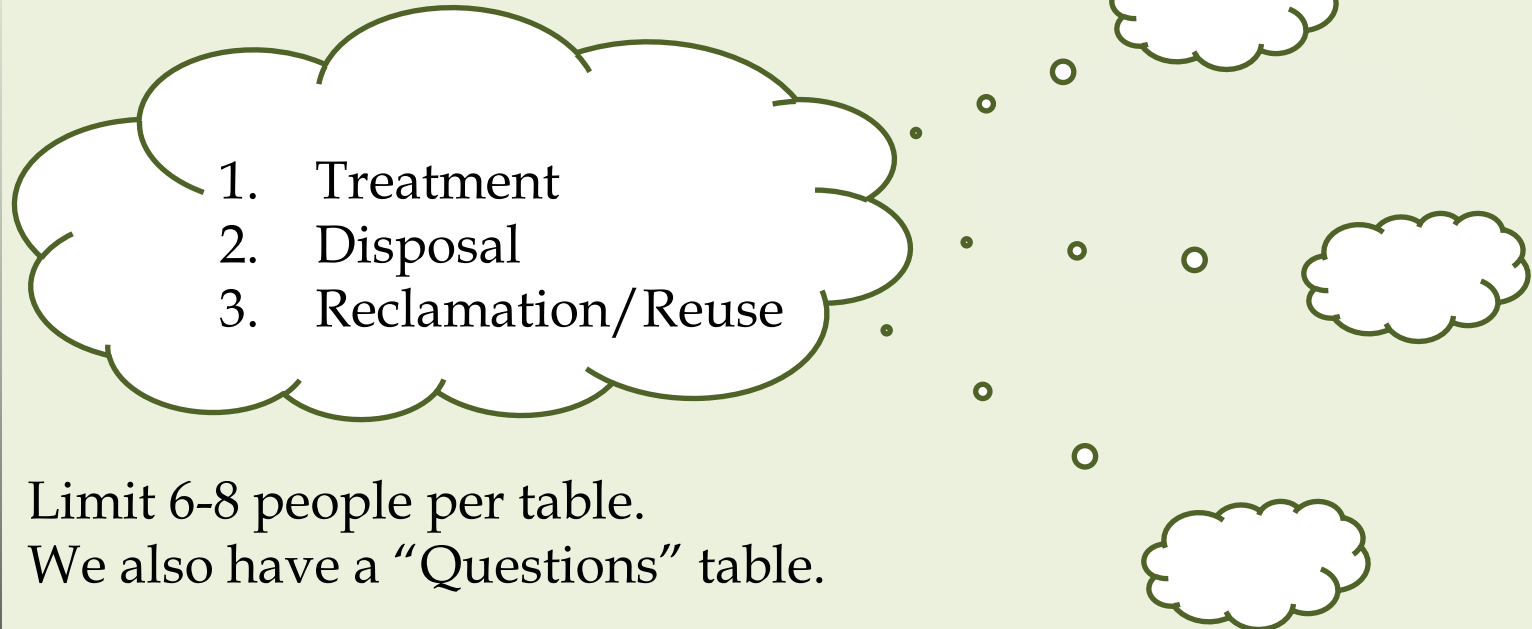
Land Reclamation and Wastewater Reuse

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



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



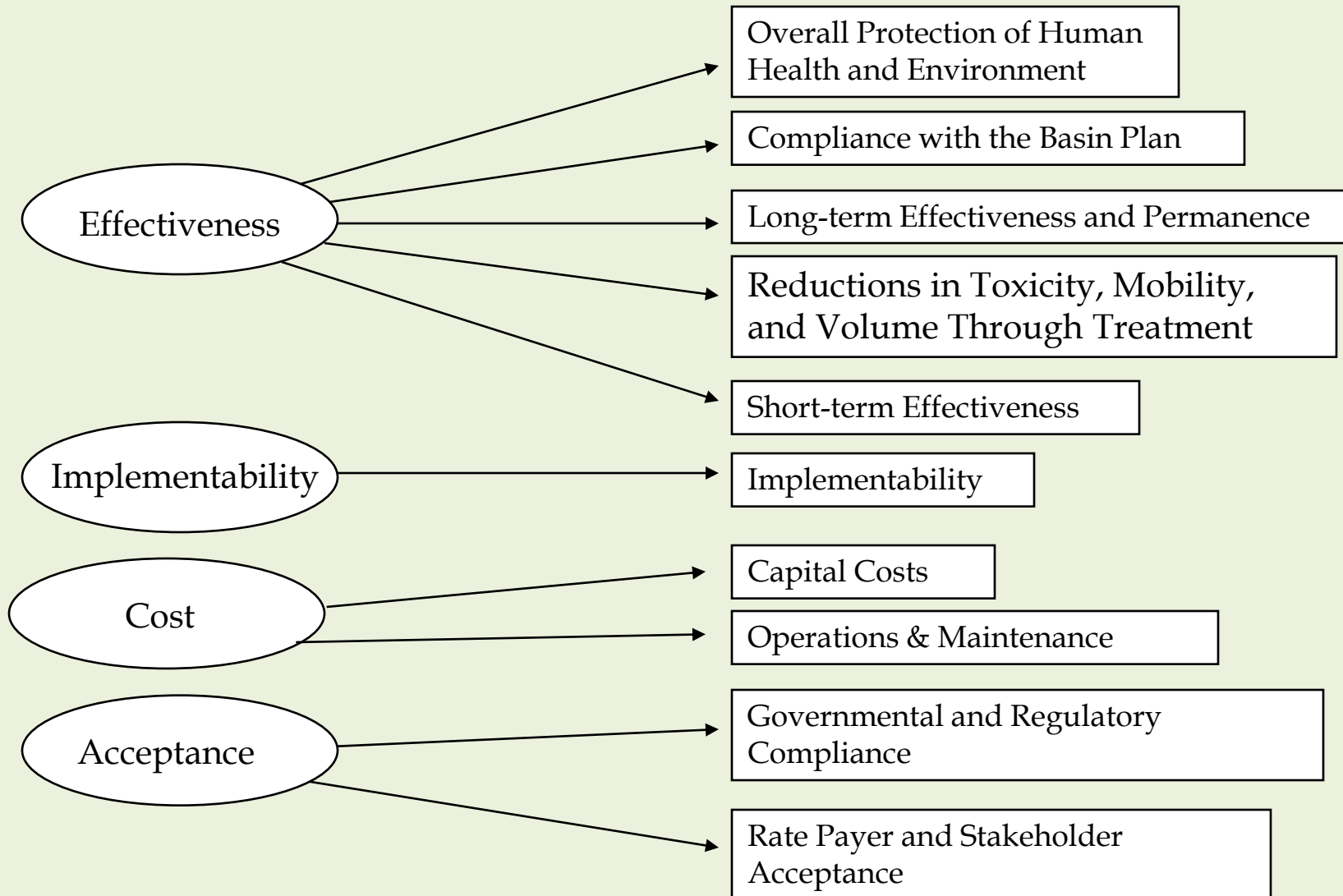
Next Steps...

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!

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