



Missouri River Recovery Management Plan & EIS Scoping Presentation

Presented by
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September 2013



Presentation Overview

- The Missouri River Recovery Program
- A New Management Plan
- How to Provide Input



Missouri River Historical Perspective

- Flood Control
- Fish & Wildlife
- Irrigation
- Navigation
- Power
- Recreation
- Water Supply
- Water Quality

Flood Control Act 1944
Dams and Levees built
8 authorized purposes

Bank Stabilization and Navigation Project (BSNP)
1912 - 1981

Master Water Control Manual Review and EIS
1988-2006

Mitigation Project
1992 - Present

Biological Opinion Implementation
2004-Present

Missouri River Recovery Program
2006 - present



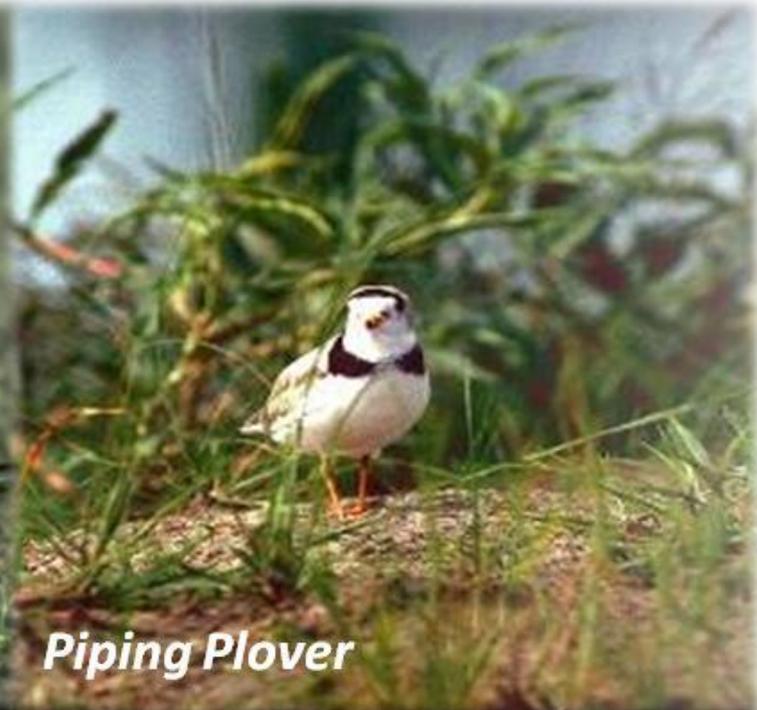


Missouri River Recovery Program

- Allows the Corps to continue to operate and maintain the Missouri River dams and bank stabilization
- Current Management Actions
 - Shallow Water Habitat (SWH)
 - Emergent Sandbar Habitat (ESH)
 - Hatchery Support
 - Land Acquisition
 - Flow Modification
 - Monitoring & Science
 - Develop F&W Habitat
 - Yellowstone Intake Fish Passage

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Threatened & Endangered Species



A banner image showing a wide river winding through a lush green landscape. The river is light brown, and the surrounding land is covered in dense green trees and grass. The sky is a clear, pale blue. The text 'MISSOURI RIVER RECOVERY PROGRAM' is overlaid on the left side of the banner in a white, serif font.

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A NEW MANAGEMENT PLAN



What is it?

- Assess effectiveness of actions being taken pursuant to the **current Biological Opinion** and WRDA'86, '99, '07
- **Define modifications** to actions if deemed necessary
- Define specific **adaptive management** process to modify actions to ensure continued effectiveness
- Include **Environmental Impact Statement** requirements

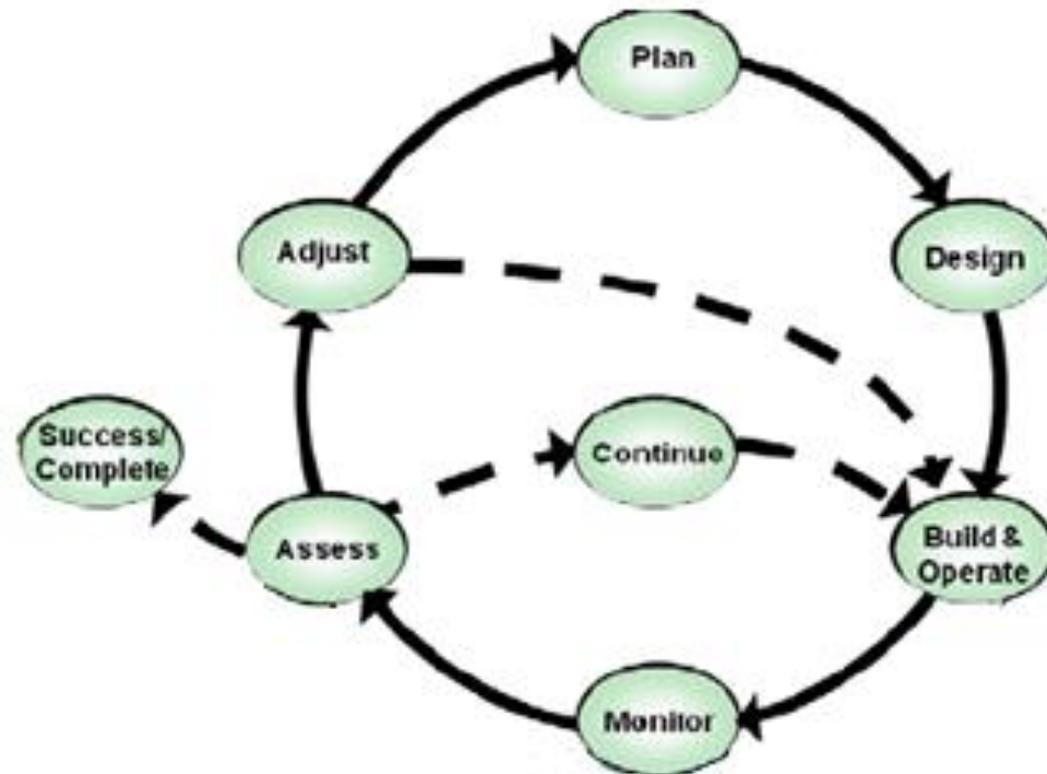
Why?

- Need to **evaluate monitoring information** to date to **determine effectiveness** of current and future actions on species and habitat mitigation
 - Recently reinforced through 7 consensus recommendations provided by Missouri River Recovery Implementation Committee (MRRIC)
- Need an **adaptive management plan** for the program
 - Adaptive management requirements of the amended 2003 Biological Opinion
- Missouri River Recovery Program needs **NEPA compliance** to assess programmatic and cumulative effects of the many actions implemented under the program and any potential changes

Who?

- U.S. Army Corps of Engineers in participation with the U.S. Fish and Wildlife Service
- The Missouri River Recovery Implementation Committee (MRRIC) provides recommendations to the agencies
 - Independent Science Advisory Panel reviews products for scientific validity and provides input to MRRIC
- Tribal Governments
- States and Other Federal Agencies
- The Public

Using Science to Make Better Management Decisions



- Plan step in the adaptive management process
- Brings in information gathered over the past 10 years
- Establishes process for future adaptive management

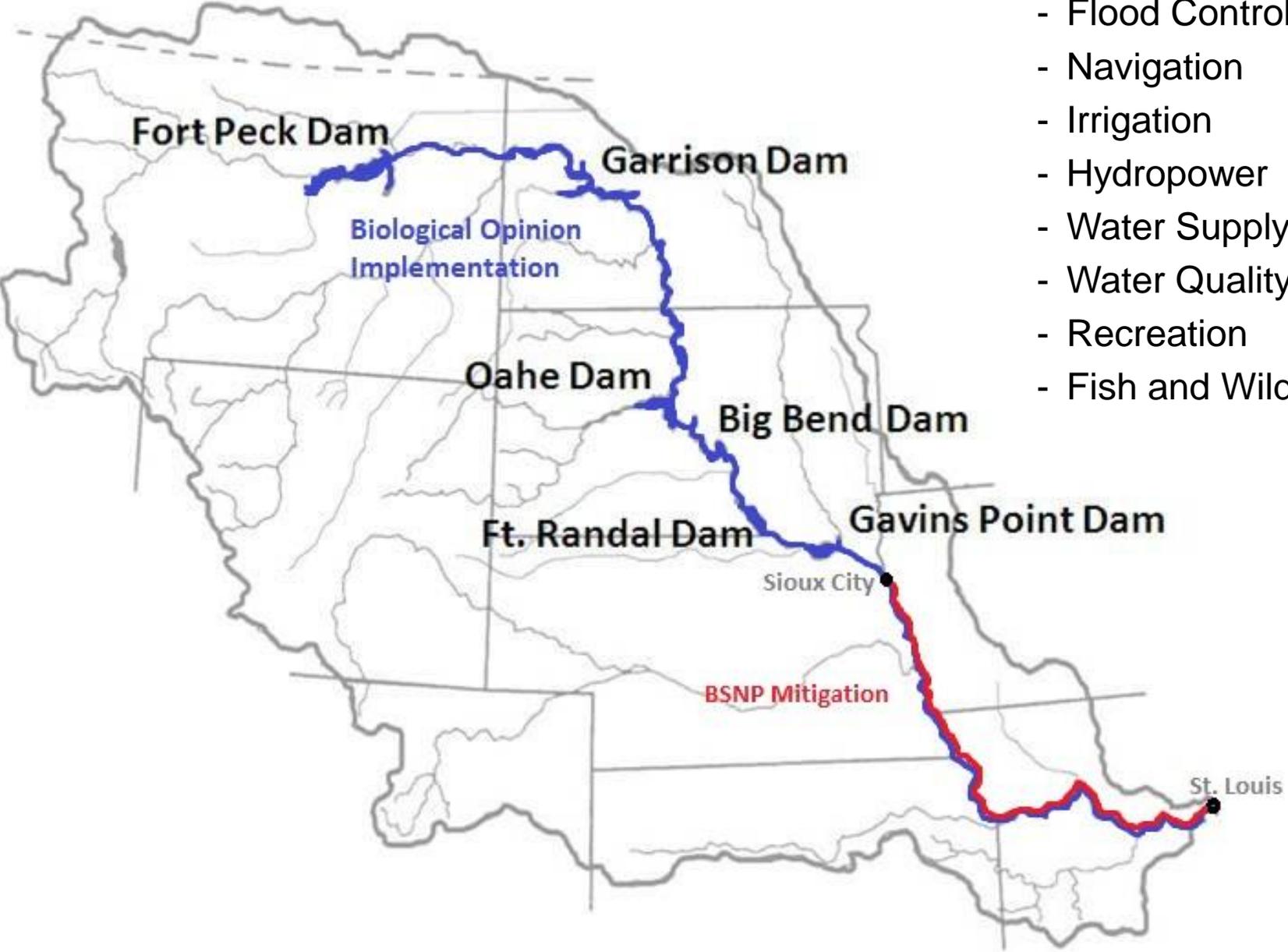
Scope/Sideboards

- Evaluate actions contained in the 2003 BiOp and WRDA '86,'99,'07
- Focus on mainstem from Fort Peck to St Louis
- Consistent with the Congressionally authorized purposes of the Missouri River system
- Complete in May 2016

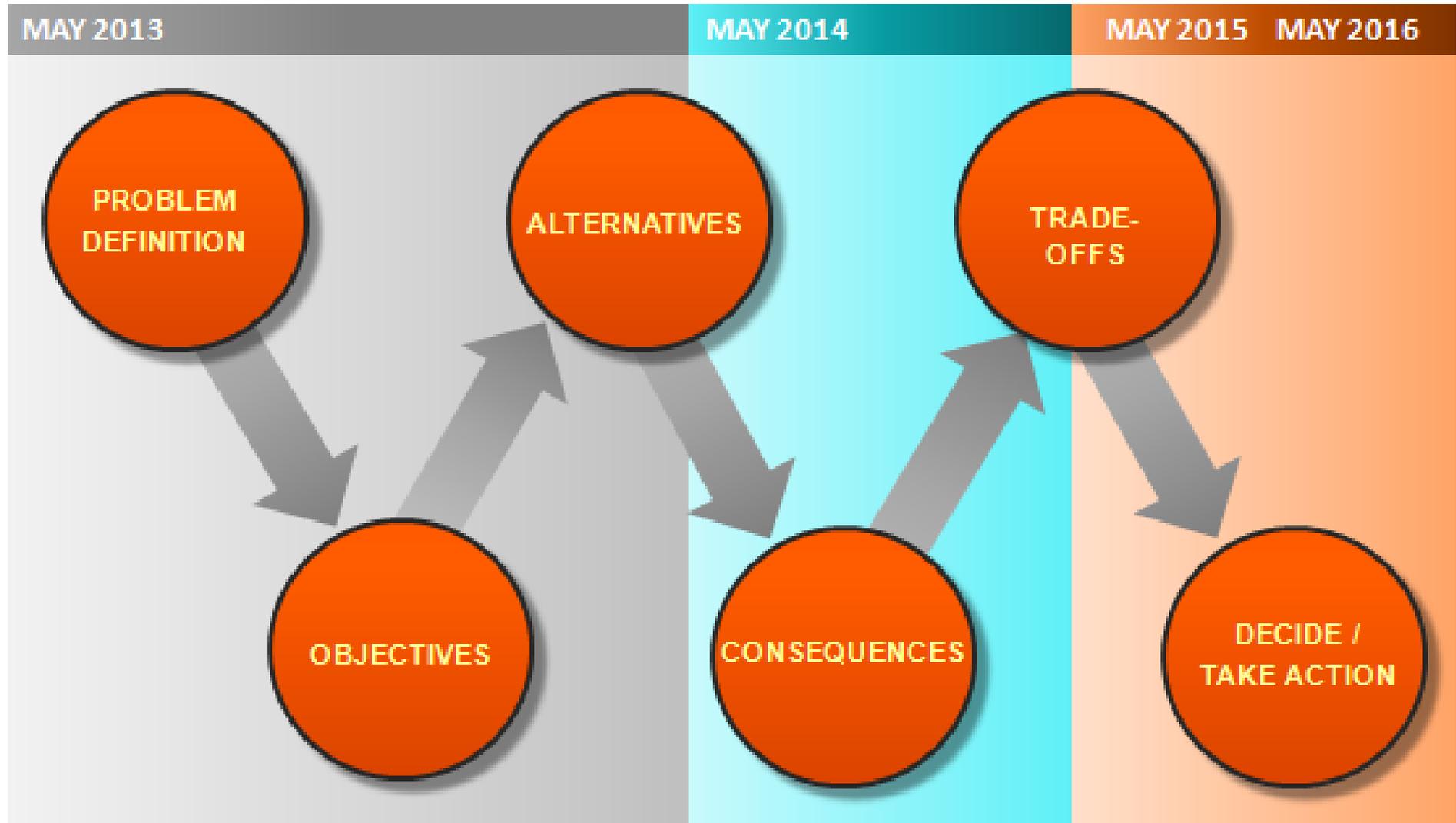


1944 Flood Control Act

- Flood Control
- Navigation
- Irrigation
- Hydropower
- Water Supply
- Water Quality
- Recreation
- Fish and Wildlife



How the Plan will be Developed



NEPA components are highlighted in the color blue on the next slides

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PROBLEM DEFINITION

Purpose & Need

Geographic and Temporal Scope

Public and Tribal Scoping

Legal Requirements

Problem Definition

- Develop a management plan that identifies the suite of actions that most effectively address the MRRP goals and objectives.
 - Remove or preclude jeopardy status and contribute to the recovery of listed species, while meeting other authorization requirements (WRDA '86,'99, '07)
- Continue management for Missouri River authorized purposes and account for human considerations.
- The plan will include an environmental impact statement and establish an adaptive management process for implementing the preferred alternative.

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OBJECTIVES

Species Objectives & Metrics

Mitigation Objectives & Metrics

Human Consideration Obj & Metrics

Other Important Resource/Mgmt Obj

Informs Monitoring and AM Plan



Examples of Objectives for Alternative Formulation

- Maintain a total population number of Missouri River piping plover and least tern that keep the population resilient on the Missouri River in the long term.
- Increase pallid sturgeon recruitment to age 1



Example of Human Considerations

- Agriculture
- Recreation
- Dredging
- Navigation
- Flood Risk Management
- Environmental
- Irrigation
- Hydropower
- Thermal power, wastewater, water supply
- Water Quality
- Local Government
- Tribal and Cultural

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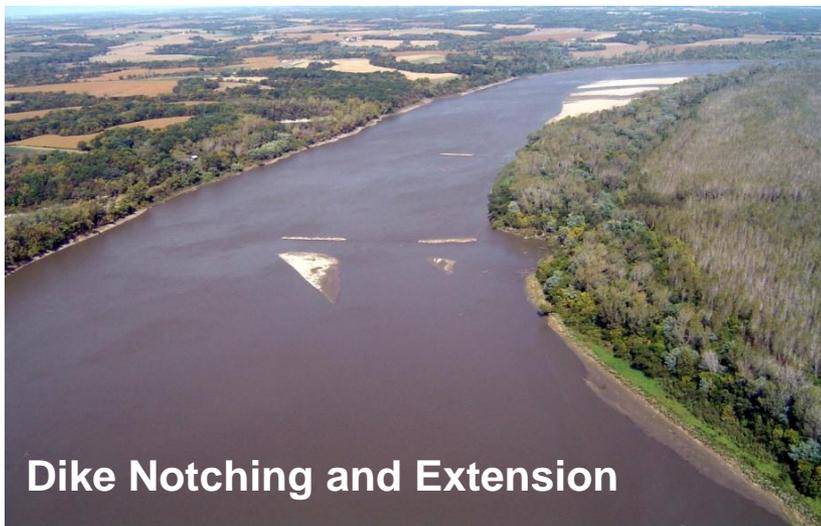
ALTERNATIVES

Describe Affected Environment

Develop Adaptive Management Actions

Formulate Range of Reasonable Alts

Example Actions/Habitats



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CONSEQUENCES

Identify Uncertainties

**Forecast Consequences of
Alternatives on Objectives**

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TRADE-OFFS

**Compare Consequences
Rationale for Decision**

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DECIDE / TAKE ACTION

Identify Preferred Alternative

Refine / Finalize Monitoring Plan

**Formal Tribal Government-Government
Consultation**

Draft EIS Public, Tribal & Agency Review

Final EIS and Response to Comment

Record of Decision

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MAY 2013

MAY 2014

MAY 2015 MAY 2016





QUESTIONS?



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SUBMITTING COMMENTS



Online Comment Submission

- Go to the National Park Service Planning, Environment & Public Comment (PEPC) website at <http://parkplanning.nps.gov/MRRMP>
- Mail comments to:
 - U.S. Army Corps of Engineers, Kansas City District
 - c/o CENWK-PM-PR (Management Plan)
 - 601 E. 12th Street
 - Kansas City, MO 64106
- Provide written or verbal comments September 11th or 18th, 2013 web-meeting from 3 to 4:30 p.m.

Please note that information provided during scoping will become part of a public record and may be included as an appendix to the Final Management Plan and Environmental Impact Statement.



THANK YOU FOR PARTICIPATING

STAY INVOLVED BY VISITING

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