Agenda

- Introductions and Technical Feedback Group (TFG) Purpose
- Action Item Review and Update
- Wrap up of design process and environmental compliance sections
- Construction Section Discussion
- High-Priority Projects Discussion
- Introduction of Financial Assistance Section
- Information & Data Exchange
- Next Steps and Follow-through
TECHNICAL FEEDBACK GROUP OBJECTIVES

TFG Objectives

• Convey Interim and Restoration Flows while avoiding seepage impacts
• Identify potential projects that would avoid seepage impacts
• Identify locations for projects with potential for seepage impacts
• Develop a common understanding of the process, procedures and expectations for projects
Process & Decision-making

- Monthly Meetings
  - Focused on Seepage Project Handbook and identifying projects to avoid seepage impacts
- Additional topics and meetings identified and considered as we proceed
- Reclamation and its partner agencies retain decision authority for Program implementation

Discussion Topics

<table>
<thead>
<tr>
<th>Mar</th>
<th>Apr</th>
<th>June/July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projects Intro</td>
<td>Site Evaluation</td>
<td>Prioritization</td>
<td>Plan Formulation</td>
</tr>
<tr>
<td>Introduction</td>
<td>Data Collection</td>
<td>Project Types</td>
<td>Selection Criteria</td>
</tr>
<tr>
<td>Background</td>
<td>Investigations</td>
<td>Site-Specific</td>
<td>Weighting</td>
</tr>
<tr>
<td>Purpose</td>
<td>Groundwater</td>
<td>Considerations</td>
<td></td>
</tr>
<tr>
<td>Potential Projects</td>
<td>Soil Salinity</td>
<td>Water Quality</td>
<td></td>
</tr>
</tbody>
</table>
Discussion Topics

- September
  - Design Data
    - Groundwater
    - Soil Salinity
    - Infrastructure
    - Irrigation
    - Crops
  - Design & Environmental Compliance
    - Deliverables
    - Cost Estimating
    - Specifications
    - ESA
    - Section 106
  - Construction
    - Farming
    - Operations
    - Conservation Strategy
  - Financial Assistance
    - Landowner Agreement
    - SF 424

Milestones for Handbook Preparation

- Feb
  - SMP
  - 2/18 Draft SMP
- Mar
  - 3/11
  - Projects Intro
  - 3/25 2011 SMP
- Apr
  - 3/18 Projects Purpose
  - 4/14 Site Evaluation
- July
  - 7/6 Parcel Groupings
  - 7/6 Site Evaluation
  - TFG Meeting
  - Agency Deliverable
  - Stakeholder Comments
Milestones for Handbook Preparation

August
- Site Evaluation
- 8/12 Parcel Group Comments

September
- Plan Formulation
- 11/8 Design & Environmental Compliance

October
- Plan Formulation & Design Data Collection
- 12/14 Construction

November
- 12/5

December
- 1/5

January
- 2/2

Financial Assistance

ACTION ITEMS

Katrina Harrison
### Action Items

<table>
<thead>
<tr>
<th>Action Items</th>
<th>ID’ed</th>
<th>Due</th>
<th>Assigned to:</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Brainstorm on seepage project scenarios at future meeting</td>
<td>8/4/11</td>
<td>9/6/11</td>
<td>Team</td>
<td>Complete</td>
</tr>
<tr>
<td>2. Coordination with NULE-report on opportunities for cross evaluation work and exchange information on drilling permit</td>
<td>8/4/11</td>
<td>9/6/11</td>
<td>Scott Rice, DWR</td>
<td>Complete</td>
</tr>
<tr>
<td>3. Post a map of well locations to website</td>
<td>11/10/11</td>
<td>12/9/11</td>
<td>Katrina</td>
<td>Complete</td>
</tr>
<tr>
<td>4. Ask Paul Romero about Seepage Lab data from DWR</td>
<td>11/10/11</td>
<td>12/9/11</td>
<td>Katrina</td>
<td>Complete → RD 544</td>
</tr>
<tr>
<td>5. Look at NRCS for financial assistance projects and project ranking criteria.</td>
<td>11/10/11</td>
<td>12/9/11</td>
<td>Katrina</td>
<td>Complete</td>
</tr>
<tr>
<td>6. Find out if WAPA can provide power for seepage projects</td>
<td>11/10/11</td>
<td>12/9/11</td>
<td>Katrina</td>
<td>In progress</td>
</tr>
<tr>
<td>7. Modify the language regarding permanent crops and the level of seepage protection that will be accommodated.</td>
<td>11/10/11</td>
<td>12/14/11</td>
<td>Brian/Katrina</td>
<td>Complete</td>
</tr>
</tbody>
</table>

### Elements of the Seepage Project Handbook

- Introduction
- Site Evaluation
- Environmental Compliance
- Design
- Plan Formulation
- Design Data Collection
- **Construction → Today**
- Financial Assistance
Katrina Harrison

DESIGN PROCESS AND ENVIRONMENTAL COMPLIANCE WRAP UP

Comments

• No written comments received

• Suggestions from last SCTFG:
  – Permanent crop language removed
  – NRCS grant criteria considered, incorporated into plan formulation criteria
Design Process

- Appraisal level designs for all alternatives
- Feasibility level design for preferred alternative
- Final design and construction via consultant or financial assistance agreement

- Suggestions on local consultants to do final design and construction?

Environmental Compliance

- Endangered Species Act Effects Analysis
- Cultural Resources Analysis
- NEPA or joint NEPA/CEQA document
- Potential Regional Water Quality Control Board permit / approval
- Potential Army Corps of Engineers permit
- Potential San Joaquin Valley Air Pollution Control District permit
Purpose

- Define construction windows and concerns in order to minimize disruption to landowners
Potential Factors

- **Schedule**
  - Outside of irrigation season
    - Winter months (i.e., Dec – Mar)
  - ESA
  - Vary depending on
    - Type of project (e.g., slurry wall vs. interceptor line vs. well)
    - Crop types, irrigation, etc.

- **Mobilization**
  - Existing roads, where possible

- **Staging**
  - Minimize land used
  - Minimize disruption
  - ESA may affect staging locations
Potential Factors

• Discussion
  – Other concerns?

Katrina Harrison
HIGH-PRIORITY PROJECTS
Purpose

- Define highest priority projects
- Implement a section of CCID Interceptor Plan
- Initiate a seepage project quickly

Potential High Priority Projects

- 15 properties between the canal and the river
- Highest priority locations to resolve potential impacts and increase river flows
- Temporary projects on properties adjacent to the Eastside Bypass
Parcel Group 87

- Location: Property just south of Sack Dam on the West side of the river
- Rationale: Based on data available, highest potential for possible impacts of lands on west side of river outside of canal

Parcel Groups 159 and 154

- Location: Property just north of Hutchins Road on the West side of the river
  - Possible extension south of Hutchins Road
- Rationale: Lots of nearby data collection – potentially quick process
Next Steps

- Landowner Meetings - January
- Site Evaluation - Spring
- Plan Formulation
- Follow Seepage Project Handbook process

Check-in Points

- Ongoing meetings with landowners
- Updates at Seepage and Conveyance Technical Feedback Group meetings regarding schedule
Dave Mooney

FINANCIAL ASSISTANCE

Purpose

• Set expectations and roles and responsibilities for ownership, operations, payment
• Define terms and conditions of an agreement with the landowner
• Define terms and conditions of potential financial assistance with the districts for final design and construction
Agreement

• Ownership Options
  – Reclamation-owned project on private land
  – Reclamation-owned project on district land
  – District-owned project on district land
  – District-owned project on private land
  – Landowner-owned project on private land

Agreement / Financial Assistance

• Operations and Maintenance Options
  – District O&M
  – Landowner O&M
  – Reclamation consultant O&M
  AND
  – Performance measures for operations and maintenance in the agreement
Agreement / Financial Assistance

• Water Discharge Choices
  – Discharge to river or canal?
    • Depends on water quality
    • Ownership of water
  – Landowner, district or Reclamation holds permits?

• Long-term Monitoring
  – Water quality monitoring for permit compliance or water supply compliance performed by landowner, district, or Reclamation?
  – Long-term groundwater monitoring performed by landowner, district, or Reclamation?
Agreement / Financial Assistance

• Cost-share
  – Projects may prevent historical flooding impacts on lands – approximately 1 out of 3 years
  – Cost-share with districts or landowners?
Purpose:

- Discuss ways to coordinate land management between restoration and agriculture.
- Discuss ways to implement floodplain projects.
Ag Practices – Managed Floodplain

Friant Release Flow (cfs)

- Friant Release
- Reach 4

Ag Practices – Managed Floodplain

LEGEND:
- Seepage ditch return
- Restored riparian vegetation / habitat
- Farmland
- Levee
Ag Practices – Managed Floodplain

• What experience or anecdotes does the group have with coordinating Ag and restoration projects?
• Are there examples of flooded lands in the Central Valley?
• How might cropping change with seasonal flooding?

2012 Schedule and Discussion Topics

• Do we need to continue monthly meetings through 2012?
• What topics should be covered in 2012?
• How often should we meet?
• What can we do to improve the meetings next year?
Shay Humphrey

NEXT STEPS AND FOLLOW-THROUGH

Next Steps

• Construction section of SPH posted
• Feedback from Landowners on Construction section of SPH
  – Due January 5
• Financial Assistance section of SPH posted
  – January 6
• Next Meeting Date:
  – TBD
Milestones for Handbook Preparation

August
- 8/12 Parcel Group Comments
- 8/24 Site Evaluation

September
- Plan Formulation & Design Data Collection
- 11/8 Design & Environmental Compliance

November
- 12/5 Construction
- 12/14 Financial Assistance

December
- 1/5 Financial Assistance

January
- 2/2

Action Items and Review

- Update Action Items
  - Revised Actions
  - New Actions
Parking Lot Topics

• Impacts to Firebaugh
• California State Lands Commission findings
• Full range of alternatives including:
  – All tile/interceptor scenario
  – All easement scenario
• Identify potential willing sellers for acquisitions projects.

Contact

• Technical Feedback Group – Katrina Harrison
  – Phone: (916) 978-5465
  – kharrison@usbr.gov

• Seepage Concerns – Seepage Hotline
  – 916-978-4398
  – interimflows@restoresjr.net