



2023 OACD

NRCS Watershed Assistance

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Agenda

Introductions

How to request Federal Assistance

The NRCS Watershed Program

Operation, Maintenance, Repairs, and
Inspections

CMP Pilot Update



Requesting Federal Assistance

Rehabilitation

New Construction

Repairs

Timeline (for New or Rehab)

Preliminary Investigation Feasibility Report – 6 Months

Watershed Plan/Supplement – 18-24 Months

Design – 12-18 Months

Construction – 12+ Months

Delays – Reviews, Funding, Land Rights, Design Issues, Soil Issues, Contracting

Best Case – 6 years from request for federal assistance.

Timeline (for New or Rehab)

A lot can happen in 6 years and there may be long gaps between contact.

Land ownership may change.

Personnel may change.

Critical that we all work together when activities start back up.

The Watershed Program

Planning

Preliminary Investigation Feasibility Report (PIFR)

Plans and Plan Supplements

In-House

Contracted

Includes Detailed Surveys and Geologic Investigations

Planning Staff

Valerie Glasgow – Planning Engineer (new)

Ted Kersten – Hydraulic Engineer

Paige Berry – Economist/Planner (new)

Breanna Satterfield – Agreements Specialist (new)

KC Kraft – Archeologist

Rick Lane – Retired Planning Engineer

Gary Utley – Retired Hydraulic Engineer

Vacant – Water Resources Manager,
Jr. Hydraulic Engineer, Economist

The Watershed Program

Design

In-House or Contracted

New, Rehab, Some Repairs

Soil Mechanics (foundations, slope stability, spillway erodibility)

Hydrology and Hydraulics

Structural Analysis

Drainage Systems

The Watershed Program

Design

Reviews

In-House and by National Design, Construction, and Soil Mechanics Center

Good time for Sponsor Input!

Construction Contracts

Drawings, Specifications, Cost Estimates

State or Federal Contracts

Design Staff

Head of Design - Vacant

Valerie Glasgow – Moved to
Roderick's Staff. Helping out
until vacancy is filled.

Dustin Livingston – 6 years

AJ Kennedy – 2 years

2 Civil Engineering Technicians

Jessica Nichols – Geologist



The Watershed Program

Construction

Bid Analyses

Layout Surveys

Pre-Construction Meeting – Sponsor Input

Full-Time Inspection (typically)

The Watershed Program

Construction

Contract Modifications

Pay Invoices

Final Inspection – Sponsor Input

Turnover of Responsibility to the Sponsor

Construction Staff



Diana Perry
Project Engineer



Randy Banning
CET



Gary Soderstrum
Inspector



Charlie Banning
Inspector



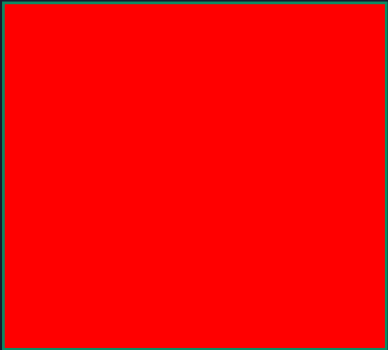
Mike White
Inspector



David Finley
Inspector



Russell Miller
Inspector



Vacancies
Natural Resources
Conservation Service



O&M, Repairs, and Inspections

O&M

Sponsors/OCC

Mowing, Brush Management

Fences

Minor Repairs

O&M, Repairs, and Inspections

O&M

NRCS

Major Repairs

Changes to Form/Function (OWRB)

Slip Lining and Tower Replacement

Front Slope Protection

Auxiliary Spillway Erosion

O&M, Repairs, and Inspections

Remedial

Same Types of Repairs

100% Federally Funded

The Process

The way to get started is to quit talking and begin doing.

Walt Disney



Requesting Assistance

Sponsor requests through NRCS Field Office (District Conservationist or WSPOC)

Field Office will request TSO Engineering Staff

Site Visit

Engineering Staff will make a site visit.

Engineer will write Trip Report
Copies to the DC, WSPOC, OCC (Tammy)
DC should share with Sponsor

Trip Report will make recommendations or request SO Assistance

State Office will develop or review the report/design

Cost Estimate

Site Visit

If a design is developed, there will also be a contract package

Contract package will be sent to OCC (Tammy), DC, and WSPOC

Funding

If O&M or Non-Remedial, CD needs to request funds from OCC.

An approved design, does not mean funds are available.
Request based on the engineers estimate.
A final design may be delayed if funding is not available.

Remedial: NRCS National Headquarters makes the final call if issues are Remedial.

Remedial

Criteria

Must be within the Evaluated Life of the dam (50 years for most)

Report identifies a:

Design Deficiency, or

Latent Site Condition

Remedial

Acceptance

If Remedial, NRCS must request funding

Funding is 100% Federal

Funding is not always readily available

Priorities

Your dams are the most important – to you.

If funds (state or federal) are limited, we (OCC/NRCS) must prioritize

Funding

Staff Resources

Urgency

Safety concerns should always be expedited.

Don't be bashful.

Follow Up

Timeline (for Repairs)

I ask staff to respond within 30 days.

That response may not address the issue.

We may ask for more information, surveys, funding, etc.

The clock restarts.

All requests are tracked monthly.

Safety concerns are expedited.

Inspections

Inspection reports are reviewed.

New POC – Valerie Glasgow, Planning Engineer

Used when an issue arises at a dam.

Sponsor's way to document O&M or Repair needs.

Show that you did your due diligence.

Known issues that are not noted or addressed could limit funding.
Wave damage along with cattle trails.

Inspections

Institutional Knowledge

None of us will be around forever

Document for future generations

Inspections

Aerial Photos

Google Earth

OKMaps

NAIP

Other Satellite Sources

The Eye in the Sky doesn't Lie.



CMP Pilot

What is it.

What is covered.

What is NOT covered.

How it works.

Current status.

Why this is important.

CMP Pilot

What is it.

Evaluation of 50 dams with CMP pipes that are past their 50-year evaluated life.

What is covered.

Only those 50 dams and only the metal components.

What is NOT covered.

Other dams with CMP pipes that are failing.

Other repair needs noted during assessments.

CMP Pilot

How it works.

Assessments were completed on all 50 dams.
Determinations made on 25 that needed work.
Repair alternatives and designs developed.
Implement the repairs.

Cost shared 65% federal, 35% State
Develop a Best Alternatives Guide for future needs.

CMP Pilot

Current status

Completed – 7

Designed – 11

In Design – 7

No Action – 25

CMP Pilot

Why is this important to you!

For some of you, CMP pipes are being repaired.

Showing a need beyond Operation and Maintenance.

Could set the stage for future Repair funding options.

Repairs beyond CMP

Drainage Systems, Concrete Towers, Other



Summary

Rebuilding our staffs to provide improved technical assistance.

Partnerships are critical to address the needs in the OK Watershed Program.

Thank You

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