



Ag Pond Repair/Retrofit Summary

AgWRAP BMP Description and Policy Description:

Repair, retrofit, or expansion of existing agricultural pond systems. Benefits may include water supply, erosion control, flood

control, and sediment and nutrient reduction from farm fields.

Agricultural Pond Repair/Retrofit

Maintenance Period: 10 Years

Spot Check Requirements: Annually

CS2 Contract Requirements

CS2 Project Description Examples:

BMP	Explain how the operation's production is limited by the amount of water it can currently access	Describe how the proposed project/BMP will increase water resources
Agricultural Pond Repair/Retrofit	<p>Existing ag pond has a collapsed pipe that needs to be repaired so it hold a sufficient amount of water for the confined animal operation.</p> <p>The existing pond doesn't have the storage capacity to meet current row crop irrigation needs.</p>	<p>Pond repair will replace the pipe and fix the pond so water isn't leaking, providing enough water to the operation.</p> <p>The expansion of the pond will increase water storage capacity.</p>

BMP Units: Each

Cost Information: Actual cost - paid based on receipts. Maximum cost share amount \$30,000 (75%) OR \$36,000 (90%)

Expected Results:

- Gallons of Water Storage Increased/Created (annually) and
- Acres Irrigated (annually) or

- Animal Type and Number

Reference Materials:

- Conservation Plan
- NC-AgWRAP 11 Signature Page
- Map with BMPs, Tract, Field, and Contract Numbers
- [Preliminary Site Assessment Form](#)
- Inventory and Evaluation Form
 - [Irrigation](#)
 - [Livestock](#)
- [Cooperator Acknowledgment Form](#)
- [Operation and Maintenance Plan](#)
- Water Balance Tool Results - file type not supported, cannot upload document
- [Certificate of Completion](#) (if applicable)

CS2 Component	Unit
AgWRAP Agricultural Pond Repair/Retrofit	Each
AgWRAP - Engineering for low hazard embankment pond (If using a Private Engineer Only)	Job
AgWRAP - Engineering for intermediate or high hazard embankment pond (If using a Private Engineer Only)	Job

JAA/Supporting Standards

JAA:

Design must be signed and sealed by a Professional Engineer

Supporting Standards:

- [NRCS - 378 - Pond](#)
- [NRCS - 402 - Dam](#)
- [NC Dam Safety Law - 15A NCAC 02K](#)
 - [Breach Approval Process](#)
 - [Repair Approval Process](#)

- [BMP JAA Application Requirements](#)

Planning and Design Tools

District Tools:

Project Workflow - needs updating, draft version completed, needs review

Water Balance Tool - file type not supported, cannot upload

[Pond Volume Calculator](#)

Contract Folder Checklist

District Resources:

[Ponds - Planning, Design, and Construction \(NRCS Ag Handbook 590\)](#)

[NC Mining Act and Agricultural Pond Construction FAQs](#)

Engineering Resources:

[Jurisdictional Determination / Hazard Classification Request \(NCDEQ\)](#)

[Emergency Action Template](#) (Intermediate & High Hazard Dams)

Permit Considerations for Farm Ponds

- [US Army Corps of Engineers Permitting Options for Farm Pond Construction](#)
- [Agricultural Pond Development Frequently Asked Questions](#)
- [Suggested Steps for Agricultural Pond Evaluation](#)
- [US Army Corps of Engineers Farm Pond/Irrigation Exemption Request](#)