AGRICULTURAL WATER SUPPLY/REUSE POND for LIVESTOCK WATERING

COOPERATOR INFORMATION

This form is to be filled out by District Employees only. If you are a cooperator, please contact your local district office for the completion of this form.

First Name *

Last Name *

Street Address *

Address Line 2

City *

Zip Code *

Project Identifier
(e.g. "Smith Irrigation Pond - Field 3" or "Irrigation Pond Repair - Tract 1234 Field 1") *

Is the cooperator a supervisor? *

- ○ Yes
- ○ No

Has the cooperator received funding for AgWRAP BMPs in the last 10 years? If so, please mark the BMPs. *

- ☐ No Funding Received
- ☐ Baseflow Interceptor (Streamside Pickup)
- ☐ Conservation Irrigation Conversion
- ☐ Micro-irrigation
- ☐ Pond Sediment Removal
- ☐ Water Collection and Reuse
- ☐ Water Supply/Reuse Pond
- ☐ Water Supply Pond Repair/Retrofit
- ☐ Water Supply Wells

Please describe the pervious projects briefly. Include contract number or AgWRAP Regional Application funding year, if available. *

Type of livestock: *

- ☐ Beef
- ☐ Dairy
- ☐ Poultry
- ☐ Swine
- ☐ Equine
- ☐ Goat/sheep
- ☐ Other, specify:

COOPERATOR OBJECTIVE

Specify project type: *

- ◯ NEW Agricultural Water Supply/Reuse Pond
- ◯ Agricultural Pond REPAIR/RETROFIT

Select the scenario below that best matches the intended purpose for the proposed pond *

- ◯ PROVIDE STORAGE TO SAFEGUARD AGAINST FUTURE DROUGHTS - The cooperator has an adequate water source that regularly provides water for their livestock. They would like to install a new pond to provide water storage that can be used in the event of severe drought or if their regular system fails.
- ◯ INCREASE NUMBER OF ANIMALS - The cooperator plans to increase the number of animals grown. The new pond will provide water storage to support the expanded operation. The new pond will be used regularly for watering livestock. The new pond is needed because existing water sources will not support the expansion.
- ◯ MEET EXISTING NEEDS – The cooperator currently has a livestock watering supply but the existing water supply/storage is inadequate for meeting all the cooperator's objectives. The cooperator must make sacrifices due to insufficient water supply/storage. Reasons for inadequate supply/storage may include underperforming wells; ponds in need of repair; or ponds that lack enough storage volume
- ◯ EXPANSION OF OPERATION - The cooperator plans to expand the operation to a new tract or to a new area on the farm. The expansion may not significantly increase the number of livestock but will allow for better rotation of pastures. The pond is needed to support the expansion because there is no adequate water supply available on this new tract or area of the farm.

Provide a detailed explanation of the Cooperator's objectives as they relate to livestock water management. Please include a description of how an Agricultural Water Supply/Reuse pond will be used to meet the Cooperator's objectives. *

POND SITE INFORMATION

County of Pond Site *

Tract - Field *

Pond Site Coordinates (DECIMAL DEGREES)

LATITUDE *

LONGITUDE *

Existing water sources on site: *

- [ ] Pond/Lake
- [ ] Well
- [ ] Municipal
- [ ] Stream/River
- [ ] Ditch
- [ ] NONE
- [ ] Other:

Is the cooperator using any of these water sources for livestock? *

- ◯ Yes
- ◯ No

Why are the existing water sources not suitable for meeting the cooperators demands? *

- ◯ Existing water source does not provide sufficient supply (e.g. underperforming well)
- ◯ Financially impractical (e.g. municipal water supply)
- ◯ Existing water storage volume is insufficient
- ◯ Existing water storage needs to be repaired
- ◯ Location of existing water sources is not suitable

LIVESTOCK WATER MANAGEMENT - EXISTING

Information in this section should reflect the EXISTING livestock and water management.

Does the cooperator currently use water for livestock management? *

- ◯ Yes
- ◯ No

Specify the type of livestock and number.

	Type of Livestock	Type of Operation	Number of Livestock
1			
2			
3			
4			

Does the cooperator have a livestock Water Management Plan? *

- ◯ Yes
- ◯ No

Estimated volume of water used for livestock (acre-feet):
(Provided by the cooperator or calculate using the AgWRAP Water Balance Tool) *

Percent of demand being met using existing water sources: *

Are there existing watering facilities and pipeline? *
- ○ Yes
- ○ No

Type of watering facilities: *

List existing conservation practices implemented by the cooperator:

LIVESTOCK WATER MANAGEMENT - PLANNED

Information in this section should reflect the PLANNED livestock and water management.

Specify the type of livestock, operation, existing number, expansion number (if applicable) and total number of livestock that will be watered.

	Type of Livestock	Type of Operation	No. Existing	No. Expansion	Total (Existing + Expansion)
1					
2					
3					
4					

Estimated total volume of water that will be used to water livestock (acre-feet):
(Provided by the cooperator or calculate using the AgWRAP Water Balance Tool) *

How will the water be used in the operation? *

List additional and alternative practices that will be planned to address livestock water management concerns:

SITE CHARACTERISTICS -PROPOSED POND

The values in this section are based on a proposed pond site and simple measurements. These values are intended to provide a rough estimate of pond site characteristics and are subject to change when a more detailed site investigation is conducted.

Type of pond: *

- ◯ Excavated
- ◯ Embankment
- ◯ Combination

Watershed Drainage Area (acres) Calculate Watershed Drainage Area using GIS or https://streamstats.usgs.gov/ss/ *

Pond Surface Area (acres) *

Pond Volume (acre-feet)
Pond volume = Pond Surface Area X Max Water Depth (If actual depth is unknkown use 8 ft as an estmate) *

What method(s) will be used for filling the pond? *

- ☐ Surface runoff
- ☐ Well
- ☐ Pump from adjacent stream/river
- ☐ Groundwater Recharge
- ☐ Other

AgWRAP WATER BALANCE

What percent of demand will be met by the proposed pond?
This figure must be calculated using the AgWRAP Water Balance Tool. The inputs for the tool should match the information recorded in this form (Livestock type and number, Pond Volume, Watershed size). *

ADDITIONAL INFORMATION

Provide any additional information in the space below

REQUIRED DOCUMENTS

AgWRAP Cooperator Acknowledgement Form *

Choose File No file chosen

Inventory and Evaluation Form *

Choose File No file chosen

O&M Form *

Choose File No file chosen

AgWRAP Water Balance Tool Results *

Choose File No file chosen

Site Map
Indicate the proposed pond location and the areas that water will be used. *

Choose File No file chosen

District Ranking Form *

Choose File No file chosen

OPTIONAL DOCUMENTS

District Letter of Support

Choose File No file chosen

Conservation Plan

Choose File No file chosen

Conservation Plan Map

Choose File No file chosen

TECHNICAL REPRESENTATIVE

Name *

Email *

Phone *