



Livestock Water Storage Summary

AgWRAP BMP Description and Policy

Description: To construct a system of water storage for the purpose of watering livestock.

These systems may include any of the

following: construction of impoundments, water storage tanks, pumps and/or water conveyances. This practice can accompany a water collection/supply BMP to allow for additional pumping and storage of water.

AgWRAP Livestock Water Storage

Maintenance Period: 10 years

Additional Spot-check Requirements: Annually for first 5 years

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
Livestock Water Storage	<p>Cooperator has one well to provide for entire cattle operation. Demand is not being met during the summer months.</p> <p>Broiler operation needs water storage to run cooling cells in case the well fails.</p>	<p>A pump and storage tank will be installed to hold water during the summer months and reduce stress on the existing well.</p> <p>Pump and storage tanks will be used to run cooling cells in broiler houses and serve as a backup system if main water source fails.</p>

BMP Units: Each

Cost Information:

Expected Results: Average and actual cost for components on cost lists. Maximum cost share amount \$15,000 (75%) OR \$18,000 (90%).

- Volume of water increased (gallons), or
- Animal type and number

Reference Materials:

- Conservation Plan
- NC-AgWRAP 11 Signature Page
- Map with BMPs, Tract, Field, and Contract Numbers
- [Cooperator Acknowledgment Form](#)

CS2 Component	Unit
TANK-temp storage, 1000 gal	Each
TANK-temp storage, 1500 gal	Each
Pump-Water Supply	Each
Pump-Housing, fiberglass/site built	Each
CONCRETE- non reinforced <= 5 CuYd	CuYd
CONCRETE- non reinforced > 5 CuYd	CuYd
CONCRETE-reinforced	CuYd
EXCAVATION- Spring development (Backhoe)	Each
EXCAVATION- Spring development (Trackhoe)	Each
EARTH FILL-adjacent, sheepsfoot rolled	CuYd
EARTH FILL-hauled	CuYd
EARTH FILL-hauled, sheepsfoot rolled	CuYd

CS2 Component	Unit
JUNCTION BOX-Concrete	Each
STONE-gravel	Ton
STONE-Riprap	Ton
FILTER CLOTH-geotextile fabric	SqYd
PIPE FITTING-Polyvinyl Chloride 4in	Each
PIPE FITTING-Polyvinyl Chloride <=3in	Each
PIPE-Corrugated Polyethylene non-perforated 36in	LinFt
PIPE-Water supply /fittings, <=2in	LinFt
PIPE-Polyvinyl Chloride 4in	LinFt
PIPE-Perf drain w/gravel filter	LinFt
PIPE-Polyvinyl Chloride 1 1/2in or less	LinFt
VEGETATION-bag lime, seed and fertlizer	Acre
VEGETATION-mulch, small grain straw	Acre
Spring Header Casing	Each
FENCE - SOLAR CHARGER	Each
FENCE-perm, non-electric, incl. Gates	LinFt
FENCE-4+-strand perm, electric, incl. Gates	LinFt

JAA/Supporting Standards

JAA:

- Design must be signed and sealed by a Professional Engineer.

NRCS Supporting Standards:

- [NRCS – 516 – Livestock Pipeline](#)
- [NRCS – 614 – Watering Facility](#)
- [NRCS – 382 – Fence](#)
- [NRCS – 533 – Pumping Plant](#)
- [NRCS – 378 – Pond](#)
- [NRCS – 574 – Spring Development](#)
- [NRCS – 642 – Water Well](#)
- [NRCS – 561 – Heavy Use Area Protection](#)
- [NRCS – 342 – Critical Area Planting](#)
- [NRCS – 484 – Mulching](#)

- [BMP JAA Application Requirements](#)

Planning and Design Tools:

- [Livestock Water Needs Estimation Tool](#)
- [Livestock Water Storage Diagram](#)
- Contract Folder Checklist