Agricultural Water Collection and Reuse System

Definition/Purpose

Construct an agricultural water management and/or collection system for water reuse or irrigation for agricultural operations. These systems may include any of the following: water storage tanks, pumps, and/or water conveyances. Benefits may include reduced demand on the water supply by reuse and decrease withdrawal from existing water supplies.

Policies

1. The system shall be for agricultural use.

2. The system must be certified by a professional engineer or an individual with appropriate job approval authority.

3. Cost share for this practice may include components necessary to collect and store water for reuse. Components may include pumping and piping for transfer from a collection pond/tank to a storage pond/tank. Irrigation equipment is not eligible for this practice.

4. Water from this system shall be used for irrigation, washing, cooling and other non-potable purposes for humans or animals unless capturing and recirculating from an existing aquaculture system.

5. If applicable, livestock shall be excluded from the collection structure. In cases of emergency, cooperators may contact their district and request a temporary exception. Duration of exception will be determined by the district and supporting notes will be included in the contract file. Emergencies may be defined as power outages, pump failures, extreme periods of drought and/or depletion or contamination of the existing water source.

6. Costs are based on the average cost list. Additional components can be added by the request of the designer.

7. Operation and Maintenance Plan is required.

8. Cooperators are responsible for obtaining and complying with all required permits.

9. Minimum life of BMP is 10 years.

10. The District shall inspect the site annually during the first five years of the maintenance period.

Specifications

North Carolina NRCS Technical Guide, Section IV, Code 558 (Roof Runoff Structure), National NRCS Technical Guide, Section IV, Code 636 (Water Harvesting Catchment).

DRAFT