

Stream Protection Well

Definition/Purpose

A Well means constructing a drilled, driven or dug well to supply water from an underground source as part of a stream protection system. (DIP)

Policies

1. Pumps, Solar Pumps, and Wells must have a qualifying statement that they will be used for agricultural use only.
2. Installation of the well must include wellhead protection protection as described in NRCS Standard #642 (Water Well). The following measures should be taken where applicable:
 - a. Divert all surface runoff, precipitation, and drainage away from the wellhead.
 - a.b. Protect the wellhead and associated appurtenances from contamination or damage by wildlife, livestock, farm machinery, vehicle parking, or other harmful human activity.
3. An adequate covering over the well head and pressure tank must be installed to prevent freezing.
- 2.4. Cost share for pumps for wells includes all costs associated with installation including the cost of getting electricity to the pump and is based on actual cost.
- ~~3. The cost share for pumps for wells is based on actual cost not to exceed the cap. The cost share for the pump includes all costs associated with pump installation, including the cost of getting electricity to the pump.~~
- ~~4. Pumps, Solar Pumps, Wells & Windmills must have a qualifying statement that they will be used for agricultural use only.~~
5. The solar powered pump installation is limited to sites where there are site constraints, or it is cost prohibitive to provide electricity to the pump. The pump cost includes a submersible pump, photovoltaic panels, control box, support structure, pump cable, drop pipe, and fittings to make up plumbing at the pump.
- ~~5. Solar powered pump installation is limited to sites with constraints or where it is more expensive to provide wired electricity to the pump. The pump cost includes all associated components of the solar powered pump and the fittings for the plumbing at the pump.~~
- ~~6. Cooperators are responsible for obtaining all required permits and complying with local requirements.~~
- 7.6. Temporary or portable generators are not an allowable source of electricity for wells. 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 or solar panel repairs.

Agriculture Cost Share Program

- ~~8.7.~~ Permits are a cost-shareable component for this practice in counties where agricultural wells are not exempt from permit fees. A copy of the permit, receipt of the permit fee, and any supporting water quality reports associated with the permit are required to be kept in the district's contract file.
- ~~8.~~ Cooperators are responsible for obtaining and complying with all required permits and local requirements, including water use reporting and registration with DWR, if applicable.
- ~~9.~~ New wells and well repairs must be completed by a well contractor certified by the North Carolina Well Contractors Certification Commission.
- ~~9.~~ Well repairs that bring ~~Repairs of an existing,~~ unusable wells back into operation that ~~are~~ part of a new stream protection system ~~are~~ cost shareable, including a pump if needed. "Unusable wells" are those that have structural failures that require repairs in order to access water.
10. Excluding repairs authorized under the Cost Share Programs Repair Policy; new pumps, replacement pumps, repairs to pumps and pump components for existing wells that are in working order, are not cost shareable.
- ~~11.~~ New wells and well repairs must be completed by a well contractor certified by the North Carolina Well Contractors Certification Commission.
- ~~10.~~ New pumps, replacement pumps, repairs to pumps and pump components for existing, usable wells are NOT cost shareable, other than what is authorized under repair policy.
- ~~11.~~ 12. The "Wells for Livestock Watering Site Evaluation Sheet" and/or the "Wells for Irrigation Site Evaluation Sheet" shall be used as a minimum requirement for planning and design documentation.
- ~~12.~~ 13. A Well Construction Record Form (GW-1) completed and signed by a well contractor certified by the North Carolina Well Contractors Certification Commission shall serve as adequate construction approval for wells.
- ~~13.~~ 14. Proper documentation of the information provided by a Certified Well Contractor, on the Pump Installation Information Plate shall serve as adequate construction approval for the well pump.
- ~~14.~~ 15. Design and construction approval for pumps, not installed by a Certified Well Contractor, must be granted by NRCS or SWCD staff with appropriate JAA, a Professional Engineer or technical specialist with Irrigation (I) designation.
16. Where a well contractor certified by the North Carolina Well Contractors Certification Commission determines alternative casing is required by 15A NCAC Subchapter 02C Well Construction Standards the additional cost is eligible for cost share assistance.

STREAM PROTECTION WELL	
Maintenance Period	10 years
BMP Units	EACH
Required Effects	ACRES_AFFECTED ANIMAL TYPE ANIMAL UNITS
JAA/NRCS Standards- Unless- Otherwise Noted	Site Evaluation Sheet (for contract approval) Well Check-out Sheet AND GW-1 (for RFP approval) OR ENG - 642 - Water Well, ENG - 533 - Pumping Plant
<u>NRCS Standards</u>	ENG - 642 - Water Well, ENG - 533 - Pumping Plant
CS2 Reference Materials	NC-ACSP-11 Signature Page Map with BMP location, fields, and roads. Wells for Livestock Watering Site Evaluation Sheet Cooperator Acknowledgement Form For RFP: Well Construction Record Form (GW-1) Water Supply Well Check Out Sheet Itemized Pump Receipts (summarized) Pump Receipts